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PREPARATION OF CHAULMOOGRA OIL DERIVATIVES FOR THE TREATMENT OF LEPROSY.

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The following description is written to meet the request for a brief statement of the routine methods used at the University of Hawaii for making certain derivatives of chaulmoogra oil for therapeutic use.

The chaulmoogra oil used is obtained through the dealers and varies greatly in quality. Some lots are clear and liquid at our laboratory temperature (usually between 70° and 80° F.); others are dark, muddy looking oils with large quantities of precipitated material. The genuine chaulmoogra oil is expressed from the seeds of *Taraktogenos kurzii*. A number of closely related species of *Hydnocarpus* yield oils of similar composition, and some of the commercial oils are quite likely to be *Hydnocarpus* oils or mixtures of *Hydnocarpus* and *Taraktogenos* oils. There is probably little or no difference in the values of these oils for purposes of making preparations to be used in leprosy. The distinguishing characteristic of all of these oils is their power of rotating the plane of polarized light. The valuable oils show specific rotations around +50°. The differences in appearance noted above seem to have no correlation with differences in rotation, and quite satisfactory products can be made from oils of poor appearance.

The first step is to break up the glycerides into glycerol and the sodium soaps of the fatty acids by saponifying the oil with sodium hydroxide under pressure. Two hundred and forty grams of sodium hydroxide are dissolved in 1 liter of hot water, and this is thoroughly mixed with 1,500 grams of chaulmoogra oil in a 5-liter, round-bottom flask, and heated in an autoclave under 15 pounds of steam pressure for one hour. Loss by frothing is prevented by inserting a loosely fitting wooden plug or stopper in the neck of the flask, through which runs a piece of 16 mm. (inside diameter) glass tubing, which extends about 35 cm. above the flask, where two right-angle bends lead it into an 800 c. c. beaker, placed on a shelf in the autoclave.

A piece of cheesecloth tied over the top of the beaker, through which the bent tube projects, effectively prevents loss from spattering.

When the reaction is complete, the mixture is poured into 3 or 4 liters of hot water in a large precipitating jar and stirred until dissolved. The soap solution is now acidified with commercial hydrochloric acid, and the liberated fatty acids rise to the top of the water in the form of a thick oily layer. By means of a siphon, the lower aqueous layer containing sodium chloride and glycerol is drawn off and discarded. The remaining oil is washed with successive portions of hot water and finally transferred to a hot-water funnel, where, in the course of a few hours' heating, all the water settles out from the liquefied fatty acids and is drawn off. The acids are strained through linen before being allowed to solidify. The usual yield of mixed fatty acids at this point is between 1,350 and 1,400 grams.

These crude mixed fatty acids are treated in different ways to prepare the products which are described under the following headings: (a) Mixed ethyl esters, (b) Capsules, (c) Ethyl hydnocarpate, (d) Ethyl chaulmoograte, (e) Ethyl dihydrochaulmoograte.

Mixed ethyl esters (for intramuscular injection).—Mixed ethyl esters are prepared by esterifying the crude mixed fatty acids with ethyl alcohol. Eight hundred cubic centimeters of 92–94 per cent ethyl alcohol are added to 1,000 grams of acids in a 2-liter flat-bottom flask, heated to 50°–60° C., under a reflux condenser, and dry hydrochloric acid gas is led into the flask. This treatment is continued for about 20 minutes after a separation into two layers occurs. The hydrochloric acid gas is conveniently prepared by allowing concentrated sulphuric acid to drop into concentrated hydrochloric acid and drying the hydrogen chloride gas evolved by passing it through sulphuric acid.

When esterification is complete, the contents of the flask are poured into 2 or 3 liters of warm water and washed to remove excess hydrochloric acid and alcohol. The ethyl esters come to the top on standing, and the lower aqueous layer is siphoned off and discarded. The washing is continued with several successive portions of water. Any water held emulsified in the esters settles out upon being held for a time in a hot water funnel. These crude ethyl esters are reddish-brown in color. They can be used in this condition; but in order to get them as pure as possible they are distilled under high vacuum.

About 1,200 c. c. of the crude dry esters are put in a 2-liter distilling flask. A roll of wire gauze is inserted in the lower part of the neck of the flask and the neck is filled with glass beads or short lengths of glass tubing to form a fractionating column about

12 cm. in length. The flask is connected to the vacuum pump through a specially designed piece of apparatus with stopcocks so arranged that the receiver may be changed without interfering in any way with the distillation. (See Fig. 1.)

Capsules (for administration by way of the mouth).—Capsules are prepared by melting the mixed fatty acids and running the liquid into gelatine capsules of varying sizes containing $\frac{1}{6}$, $\frac{1}{3}$, $\frac{1}{2}$, and $\frac{2}{3}$ gram of the fatty acids. When cool, the contents of the capsules become solid.

Distillation of the mixed fatty acids.—From the mixture of fatty acids, pure chaulmoogric acid and pure hydnocarpic acid have been prepared by fractional distillation under high vacuum followed by a fractional crystallization, using the same apparatus as that described for distilling the ethyl esters.

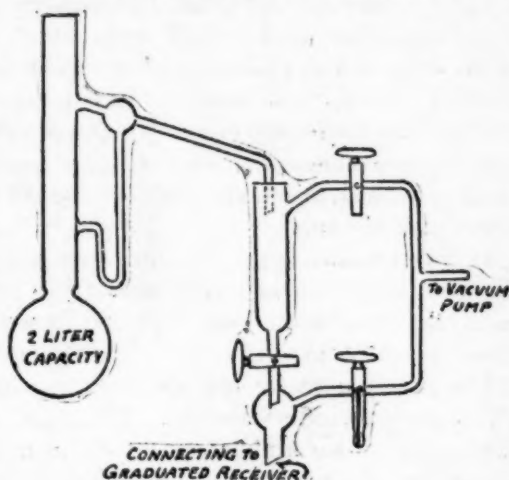


FIG. 1.

The vacuum is applied before the temperature of the liquid in the flask rises above 100°C ; otherwise serious frothing may result. It is best to have both stopcocks open to the vacuum, also the stopcock leading into the graduated receiver. There is usually a tendency for a little of the fatty acid vapor to solidify in the stopcocks, interfering with the vacuum. This difficulty may be obviated by playing a jet of steam against the stopcock. As the stopcocks must remain air-tight, even while hot, it is best to use a mixture of vaseline and talcum powder as a lubricant in them. Some of the patent stopcock lubricants also give good results.

The first 350 c. c. which distill over are worked for hydnocarpic acid. The next 200, composing the mixture fraction, are set aside to be redistilled as part of the next lot of mixed fatty acids. The remainder of the distillate is worked for chaulmoogric acid.

Ethyl hydnocarpate.—The hydnocarpic acid fraction noted above is recrystallized first from 80 per cent alcohol, using 20 c. c. of alcohol per 5 grams of acid, and recrystallization is continued from this solvent until the melting point of the solute is above 35°C .; then it is recrystallized from petroleum ether, using 30 c. c. of solvent per 5 grams of solute until its melting point is 60°C . The melting point of the

product from each crystallization moves upward very slowly in the case of this acid; from 12 to 16 recrystallizations being required to purify the acid completely and bring its melting point up to 60° C.

The hydrocarpic acid is esterified with ethyl alcohol in the same way that the mixed acids are, and the ethyl hydnocarpate is washed, dried, and distilled under high vacuum. The ethyl hydnocarpate is almost water white.

Ethyl chaulmoograte.—The chaulmoogric acid fraction is recrystallized from 80 per cent alcohol, using 20 c. c. of the alcohol to 5 grams of the acid, and recrystallization is continued until the product melts at 68° C. In general, four or five crystallizations are sufficient.

The pure chaulmoogric acid is treated with ethyl alcohol and esterified in the same manner as the mixed acids. The ethyl chaulmoograte is washed, dried, and distilled under high vacuum. It is almost water white in color.

Dihydrochaulmoogric acid and ethyl dihydrochaulmoograte.—Dihydrochaulmoogric acid is prepared from pure chaulmoogric acid by catalytic reduction. Two hydrogen atoms enter the double bond of chaulmoogric acid forming a saturated inactive acid.

One hundred grams of chaulmoogric acid are dissolved in 150 c. c. of 95 per cent ethyl alcohol. The flask containing the solution is kept at a temperature of 55–60° C. in a water bath, and hydrogen under 2–3 pounds pressure is bubbled through the solution. The catalyst, prepared as follows, is added to this solution: Five c. c. of a solution of platinum chloride (Pt. Cl_4), containing 0.01 gram of platinum per c. c., and 5 c. c. of a solution of palladium chloride (Pd. Cl_2), containing 0.01 gram of palladium per c. c., and 3 c. c. of a solution containing 0.01 gram of gum arabic per c. c. are mixed, and about 2 grams of hydroxylamine-hydrochloride added; then, with constant stirring, small amounts of sodium bicarbonate are added until the color due to the chloride disappears and a translucent black begins to appear. It is then immediately added to the chaulmoogric acid solution.

The time necessary for complete reduction of the chaulmoogric acid varies from 24 hours to several days, and it is frequently necessary to add fresh portions of the catalyst from time to time. The reduction can be measured by taking samples at intervals and determining the iodine value. The iodine value of dihydrochaulmoogric acid is zero.

The pure dihydrochaulmoogric acid is obtained by recrystallizing from glacial acetic acid.

Ethyl dihydrochaulmoograte is obtained by treating the acid with ethyl alcohol. As this acid is much harder to esterify than any of the others, it is necessary to use absolute ethyl alcohol in excess and to pass in the hydrogen chloride until the solution is saturated, in

order to get complete esterification. The ethyl dihydrochaulmoograte is washed, dried, and distilled in the same manner as the mixed esters.

· **HYGIENIC LABORATORY NOTE.**—For reference to the earlier work on the chemistry of chaulmoogra oil and its derivatives the following references may be consulted:

The Constitution of Chaulmoogric Acid, Part I. By Power and Gornall. Published in the Transactions of the Chemical Society, 1904.

The Constituents of the Seeds of *Gynocardia Odorata*, R. Br. By Power and Barrowcliff. Published in the Transactions of the Chemical Society, 1905.

The Constitution of Chaulmoogric and Hydnocarpic Acids. By Barrowcliff and Power. Published in the Transactions of the Chemical Society, 1907.

The foregoing were all published as reprints from the Wellcome Chemical Research Laboratories, Frederick B. Power, Director. These papers were referred to in an earlier paper by Professor Dean and Doctor Wrenshall, entitled "Fractionation of Chaulmoogra Oil," Reprint No. 646, from the Public Health Reports, April 1, 1921.

THE NOTIFIABLE DISEASES.

PREVALENCE DURING 1921 IN CITIES OF OVER 100,000.¹

ANTHRAX, CEREBROSPINAL MENINGITIS, DIPHTHERIA, INFLUENZA, MALARIA, MEASLES, PELLAGRA, PNEUMONIA (ALL FORMS), POLIOMYELITIS (INFANTILE PARALYSIS), RABIES IN ANIMALS, RABIES IN MAN, SCARLET FEVER, SMALLPOX, TUBERCULOSIS (ALL FORMS AND PULMONARY), TYPHOID FEVER, AND TYPHUS FEVER—CASES AND DEATHS REPORTED, 1921; INDICATED CASE AND DEATH RATES PER 1,000 POPULATION; FATALITY RATES PER 100 CASES; AND MEDIAN NUMBER OF CASES REPORTED DURING PRECEDING YEARS.

The following tables were compiled from data furnished by the city health officers. They include all cities in the United States of 100,000 population or over.

The populations given, and which were used in computing the rates, were estimated as of July 1, 1921, except where otherwise stated. For cities which are included in the Weekly Health Index, issued by the Bureau of the Census, the estimated populations as given in that publication were used. Estimates based on the censuses of April 15, 1910, and of January 1, 1920, were made for other cities.

The figures given are for the calendar year 1921, except for Portland, Oreg., where the year began December 1, 1920, and ended November 30, 1921.

¹ It will be noted that some of the cities are apparently much more successful in obtaining reports of the notifiable diseases than are others. This may be due to the greater activity of their health departments or to a greater interest in the public welfare on the part of their practicing physicians. That the health departments of certain cities are securing fairly complete information of the prevalence of preventable diseases is indicated in a number of instances by the large numbers of cases reported as compared with the numbers of deaths registered from the same causes.

Medians ² of the total number of cases reported annually during the years 1913 to 1920 are given for cerebrospinal meningitis, diphtheria, measles, poliomyelitis (infantile paralysis), scarlet fever, smallpox, and typhoid fever. The column headed "Number of years" shows the number of years for which data were available. For pellagra, data were available only for the years 1915 to 1920, inclusive.

For all diseases except anthrax, rabies, and typhus fever there is given either the fatality rate per 100 cases or the number of cases reported for each death registered.

In comparing the figures for 1921 with the medians for preceding years, it should be borne in mind that there has been a gradual improvement in the reporting of communicable diseases during the last few years. An increase in the number of cases reported may be due to better reporting of the particular disease rather than to an increase in the number of cases existing.

In studying these tables it should be kept in mind that a relatively large number of reported cases of a communicable disease as indicated by a high case rate (and more especially when accompanied by a relatively small number of deaths, as indicated by a low fatality rate) usually means that the health department of that city is active and that the cases of the disease are being well reported by the practicing physicians. It does not usually mean that the disease is more prevalent in that city than in other cities. A high fatality rate may mean that the disease was unusually virulent in a city; that the physicians did not treat the disease in that city with the success usual elsewhere, or that the practicing physicians did not report all of their cases to the health department. On the other hand, an unusually low fatality rate may be due to the fact that the disease in the city was unusually mild; that the physicians treated it with unusual success; that the practicing physicians reported their cases satisfactorily; or that the registration of deaths was incomplete or the assignment of the causes of death inaccurate.

Cities in which no cases of a certain disease were reported in 1921 are not included in the table for that disease.

Considerable increases in the number of cases of diphtheria and scarlet fever are indicated by the tables. Sixty-eight cities reported nearly 82,000 cases of diphtheria for the calendar year 1921, as compared with about 59,000 cases per annum during the preceding eight years. The same cities reported nearly 64,000 cases of scarlet fever for 1921, but the median for the preceding years was less than 40,000 cases.

² The median has been defined as the magnitude of the middle item in an array. If the numbers of cases reported are arranged so that the greatest number reported in any one year is first, the second greatest number is second, and so on, then the number of cases in the center of the array is the median. The following illustration shows the method followed when data for five years are available: In a city reporting 60 cases in 1915, 79 cases in 1916, 71 cases in 1917, 58 cases in 1918, and 53 cases in 1919, the median is 60 cases.

Measles was not so prevalent during 1921 as during the last few years in most of the cities.

During the calendar year 1921, 56 cities reported more than 17,000 cases of smallpox. The median for these cities during the preceding few years was less than 6,900 cases.

Reported Prevalence for the Year 1921—Medians for Previous Years.

ANTHRAX.

| City. | Cases reported, 1921. | Deaths registered, 1921. | City. | Cases reported, 1921. | Deaths registered, 1921. |
|------------------|-----------------------|--------------------------|-------------------|-----------------------|--------------------------|
| California: | | | New Jersey: | | |
| Los Angeles..... | 3 | 0 | Camden..... | 7 | 0 |
| Delaware: | | | Jersey City..... | 1 | 0 |
| Wilmington..... | 5 | 1 | Newark..... | 1 | 0 |
| Illinois: | | | New York: | | |
| Chicago..... | 2 | 1 | New York..... | 9 | 4 |
| Louisiana: | | | Ohio: | | |
| New Orleans..... | 3 | 1 | Cleveland..... | 2 | 1 |
| Maryland: | | | Pennsylvania: | | |
| Baltimore..... | 1 | 0 | Philadelphia..... | 10 | 1 |
| Massachusetts: | | | Tennessee: | | |
| Worcester..... | 1 | 0 | Memphis..... | 1 | 1 |
| Nebraska: | | | Nashville..... | 1 | 1 |
| Omaha..... | 1 | 0 | Texas: | | |
| | | | Houston..... | 1 | 0 |

CEREBROSPINAL MENINGITIS.

| City. | Estimated population, July 1, 1921. | Median. | | 1921 | | | | |
|-----------------------|-------------------------------------|------------------|-----------------|-----------------|------------------------------|--------------------|-------------------------------|---------------------------|
| | | Number of years. | Cases reported. | Cases reported. | Cases per 1,000 inhabitants. | Deaths registered. | Deaths per 1,000 inhabitants. | Fatalities per 100 cases. |
| Alabama: | | | | | | | | |
| Birmingham..... | 186,133 | 8 | 13 | 11 | 0.06 | 6 | 0.03 | 54.5 |
| California: | | | | | | | | |
| Los Angeles..... | 614,160 | 8 | 30 | 15 | .02 | 8 | .01 | 53.3 |
| Oakland..... | 236,472 | 3 | 5 | 12 | .05 | 0 | | |
| San Francisco..... | 520,546 | 8 | 18 | 47 | .09 | 9 | .02 | 19.1 |
| Colorado: | | | | | | | | |
| Denver..... | 263,152 | 7 | 2 | | | 1 | .00 | |
| Connecticut: | | | | | | | | |
| Bridgeport..... | 143,555 | 8 | 12 | 15 | .10 | 3 | .02 | 20.0 |
| Hartford..... | 144,080 | 7 | 7 | 7 | .05 | 4 | .03 | 57.1 |
| New Haven..... | 167,007 | 6 | 12 | 6 | .04 | 0 | | |
| Delaware: | | | | | | | | |
| Wilmington..... | 113,408 | 3 | 3 | 2 | .02 | 0 | | |
| District of Columbia: | | | | | | | | |
| Washington..... | 143,571 | 7 | 7 | 8 | .02 | 4 | .01 | 50.0 |
| Georgia: | | | | | | | | |
| Atlanta..... | 207,473 | 3 | 9 | | | 15 | .07 | |
| Illinois: | | | | | | | | |
| Chicago..... | 2,780,655 | 8 | 103 | 79 | .03 | 33 | .01 | 41.8 |
| Indiana: | | | | | | | | |
| Indianapolis..... | 325,632 | 7 | 21 | 6 | .02 | 5 | .02 | 83.3 |
| Iowa: | | | | | | | | |
| Des Moines..... | 132,663 | 4 | 4 | | | 1 | .01 | |
| Kansas: | | | | | | | | |
| Kansas City..... | 103,884 | 5 | 22 | 7 | .07 | 3 | .03 | 42.9 |
| Kentucky: | | | | | | | | |
| Louisville..... | 236,083 | 7 | 29 | 5 | .02 | 0 | | |
| Louisiana: | | | | | | | | |
| New Orleans..... | 394,657 | 8 | 17 | 7 | .02 | 4 | .01 | 57.1 |
| Maryland: | | | | | | | | |
| Baltimore..... | 750,864 | 7 | 36 | 24 | .03 | 12 | .02 | 50.0 |
| Massachusetts: | | | | | | | | |
| Boston..... | 757,634 | 8 | 60 | 54 | .07 | 28 | .04 | 51.9 |
| Cambridge..... | 110,444 | 4 | 6 | 5 | .05 | 2 | .02 | 40.0 |
| Fall River..... | 130,668 | 8 | 8 | 5 | .04 | 3 | .02 | 60.0 |

¹ Enumerated population Jan. 1, 1920.

Reported Prevalence for the Year 1921—Medians for Previous Years—Continued.

CEREBROSPINAL MENINGITIS—Continued.

| City. | Estimated population, July 1, 1921. | Median. | | 1921 | | | | |
|--------------------------|---|------------------------|-------------------------|-------------------------|---|----------------------------|--|--------------------------------------|
| | | Number of years. | Cases re- ported. | Cases re- ported. | Cases per 1,000 inhab- itants. | Deaths regis- tered. | Deaths per 1,000 inhab- itants. | Fatali- ties per 100 cases. |
| Massachusetts—Continued. | | | | | | | | |
| Lowell..... | 113,757 | 8 | 12 | ..... | ..... | 4 | 0.04 | ..... |
| New Bedford..... | 125,012 | 5 | 3 | 12 | 0.10 | 4 | .03 | 33.3 |
| Springfield..... | 135,877 | 7 | 4 | ..... | ..... | 4 | .03 | ..... |
| Worcester..... | 184,972 | 7 | 7 | 5 | .03 | 1 | .01 | 20.0 |
| Michigan: | | | | | | | | |
| Detroit..... | 1,070,450 | 6 | 65 | 61 | .06 | 32 | .03 | 52.5 |
| Grand Rapids..... | 141,197 | 4 | 1 | ..... | ..... | 1 | .01 | ..... |
| Minnesota: | | | | | | | | |
| Minneapolis..... | 392,815 | 4 | 13 | 8 | .02 | 5 | .01 | 62.5 |
| St. Paul..... | 237,781 | 6 | 5 | ..... | ..... | 1 | .00 | ..... |
| Missouri: | | | | | | | | |
| Kansas City..... | 336,157 | 8 | 23 | 16 | .05 | 10 | .03 | 62.5 |
| St. Louis..... | 786,164 | 8 | 39 | 26 | .03 | 12 | .02 | 46.2 |
| Nebraska: | | | | | | | | |
| Omaha..... | 197,066 | 5 | 5 | ..... | ..... | 6 | .03 | ..... |
| New Jersey: | | | | | | | | |
| Camden..... | 119,672 | 4 | 3 | ..... | ..... | 1 | .01 | ..... |
| Jersey City..... | 302,788 | 8 | 10 | 14 | .05 | 11 | .04 | 78.6 |
| Newark..... | 424,885 | 8 | 34 | 23 | .05 | 11 | .03 | 47.8 |
| Paterson..... | 137,463 | 6 | 12 | 9 | .07 | 6 | .04 | 66.7 |
| Trenton..... | 122,760 | 6 | 2 | ..... | ..... | 7 | .08 | ..... |
| New York: | | | | | | | | |
| Albany..... | 115,071 | 6 | 2 | ..... | ..... | 7 | .06 | ..... |
| Buffalo..... | 519,608 | 8 | 16 | 19 | .04 | 13 | .03 | 68.4 |
| New York..... | 5,751,867 | 8 | 290 | 279 | .05 | 147 | .03 | 52.7 |
| Rochester..... | 305,229 | 6 | 9 | 7 | .02 | 1 | .00 | 14.3 |
| Syracuse..... | 177,265 | 6 | 3 | 2 | .01 | 1 | .01 | 50.0 |
| Yonkers..... | 103,324 | 7 | 4 | 4 | .04 | 3 | .03 | 75.0 |
| Ohio: | | | | | | | | |
| Akron..... | 1208,435 | 6 | 15 | 6 | .03 | 4 | .02 | 66.7 |
| Cincinnati..... | 403,418 | 8 | 25 | 8 | .02 | 3 | .01 | 37.5 |
| Cleveland..... | 831,138 | 8 | 45 | 21 | .03 | 9 | .01 | 42.9 |
| Columbus..... | 245,358 | 7 | 10 | ..... | ..... | 1 | .00 | ..... |
| Dayton..... | 152,550 | 7 | 8 | 7 | .05 | 0 | ..... | ..... |
| Youngstown..... | 139,432 | 3 | 14 | 4 | .03 | 1 | .01 | 25.0 |
| Oregon: | | | | | | | | |
| Portland..... | 264,859 | 4 | 4 | 5 | .02 | 1 | .00 | 20.0 |
| Pennsylvania: | | | | | | | | |
| Philadelphia..... | 1,806,212 | 8 | 58 | 35 | .02 | 22 | .01 | 62.9 |
| Pittsburgh..... | 602,452 | 8 | 16 | ..... | ..... | 14 | .02 | ..... |
| Reading..... | 105,593 | 7 | 1 | ..... | ..... | 4 | .04 | ..... |
| Seranton..... | 139,007 | 3 | 5 | ..... | ..... | 2 | .01 | ..... |
| Rhode Island: | | | | | | | | |
| Providence..... | 239,645 | 8 | 18 | 11 | .05 | 8 | .03 | 72.7 |
| Tennessee: | | | | | | | | |
| Memphis..... | 165,656 | 4 | 15 | 13 | .08 | 5 | .03 | 38.5 |
| Nashville..... | 122,036 | 8 | 10 | 6 | .05 | 5 | .04 | 83.3 |
| Texas: | | | | | | | | |
| Dallas..... | 165,282 | 6 | 8 | 5 | .03 | 0 | ..... | ..... |
| Houston..... | 144,340 | 5 | 4 | ..... | ..... | 3 | .02 | ..... |
| San Antonio..... | 171,387 | 7 | 7 | ..... | ..... | 7 | .04 | ..... |
| Utah: | | | | | | | | |
| Salt Lake City..... | 121,595 | 7 | 5 | ..... | ..... | 5 | .04 | ..... |
| Virginia: | | | | | | | | |
| Norfolk..... | 121,260 | 3 | 5 | 3 | .02 | 2 | .02 | 66.7 |
| Richmond..... | 175,696 | 4 | 3 | 5 | .03 | 3 | .02 | 60.0 |
| Washington: | | | | | | | | |
| Seattle..... | 1315,312 | 7 | 3 | ..... | ..... | 3 | .01 | ..... |
| Spokane..... | 104,442 | 4 | 1 | ..... | ..... | 1 | .01 | ..... |

DIPHTHERIA.

| | | | | | | | | |
|--------------------|---------|---|-----|-------|------|-----|------|-----|
| Alabama: | | | | | | | | |
| Birmingham..... | 186,133 | 8 | 175 | 271 | 1.46 | 8 | 0.04 | 3.0 |
| California: | | | | | | | | |
| Los Angeles..... | 614,160 | 8 | 664 | 2,842 | 4.63 | 85 | .14 | 3.0 |
| Oakland..... | 226,472 | 7 | 157 | 534 | 2.36 | 37 | .16 | 6.9 |
| San Francisco..... | 520,546 | 8 | 827 | 1,712 | 3.29 | 141 | .27 | 8.2 |
| Colorado: | | | | | | | | |
| Denver..... | 203,152 | 8 | 399 | 734 | 2.79 | 38 | .14 | 5.2 |

¹ Enumerated population Jan. 1, 1920.

Reported Prevalence for the Year 1921—Medians for Previous Years—Continued.

DIPHTHERIA—Continued.

| City. | Estimated population, July 1, 1921. | Median. | | 1921 | | | | |
|-----------------------|-------------------------------------|------------------|-----------------|-----------------|------------------------------|--------------------|-------------------------------|---------------------------|
| | | Number of years. | Cases reported. | Cases reported. | Cases per 1,000 inhabitants. | Deaths registered. | Deaths per 1,000 inhabitants. | Fatalities per 100 cases. |
| Connecticut: | | | | | | | | |
| Bridgeport..... | 143,555 | 8 | 296 | 478 | 3.33 | 27 | 0.19 | 5.6 |
| Hartford..... | 144,080 | 7 | 361 | 426 | 2.96 | 15 | .10 | 3.5 |
| New Haven..... | 167,007 | 8 | 329 | 501 | 3.00 | 24 | .14 | 4.8 |
| Delaware: | | | | | | | | |
| Wilmington..... | 113,408 | 7 | 84 | 87 | .77 | 6 | .05 | 6.9 |
| District of Columbia: | | | | | | | | |
| Washington..... | 1437,571 | 8 | 646 | 935 | 2.14 | 57 | .13 | 6.1 |
| Georgia: | | | | | | | | |
| Atlanta..... | 207,473 | 5 | 223 | 298 | 1.44 | 21 | .10 | 7.0 |
| Illinois: | | | | | | | | |
| Chicago..... | 2,780,655 | 8 | 7,025 | 9,313 | 3.35 | 683 | .25 | 7.3 |
| Indiana: | | | | | | | | |
| Indianapolis..... | 325,632 | 8 | 530 | 1,267 | 3.89 | 84 | .26 | 6.6 |
| Iowa: | | | | | | | | |
| Des Moines..... | 132,663 | 4 | 160 | 294 | 2.22 | 21 | .16 | 7.1 |
| Kansas: | | | | | | | | |
| Kansas City..... | 103,884 | 5 | 160 | 427 | 4.11 | 18 | .17 | 4.2 |
| Kentucky: | | | | | | | | |
| Louisville..... | 236,083 | 8 | 255 | 946 | 4.01 | 32 | .14 | 3.4 |
| Louisiana: | | | | | | | | |
| New Orleans..... | 394,657 | 8 | 853 | 385 | .98 | 13 | .03 | 3.4 |
| Maryland: | | | | | | | | |
| Baltimore..... | 750,804 | 8 | 1,192 | 1,423 | 1.90 | 89 | .12 | 6.3 |
| Massachusetts: | | | | | | | | |
| Boston..... | 757,634 | 8 | 2,672 | 2,992 | 3.95 | 148 | .20 | 4.9 |
| Cambridge..... | 110,444 | 5 | 249 | 227 | 2.05 | 12 | .11 | 5.3 |
| Fall River..... | 120,668 | 8 | 184 | 223 | 1.85 | 23 | .10 | 10.3 |
| Lowell..... | 113,757 | 8 | 243 | 263 | 2.31 | 35 | .31 | 13.3 |
| New Bedford..... | 125,012 | 7 | 133 | 295 | 2.35 | 25 | .21 | 8.8 |
| Springfield..... | 135,877 | 8 | 160 | 249 | 1.83 | 23 | .17 | 9.2 |
| Worcester..... | 184,972 | 7 | 306 | 240 | 1.30 | 25 | .14 | 10.4 |
| Michigan: | | | | | | | | |
| Detroit..... | 1,070,450 | 8 | 3,235 | 4,689 | 4.38 | 334 | .31 | 7.1 |
| Grand Rapids..... | 141,197 | 8 | 183 | 451 | 3.19 | 43 | .30 | 9.5 |
| Minnesota: | | | | | | | | |
| Minneapolis..... | 392,815 | 6 | 989 | 1,452 | 3.70 | 54 | .14 | 3.7 |
| St. Paul..... | 237,781 | 8 | 907 | 822 | 3.46 | 36 | .15 | 4.4 |
| Missouri: | | | | | | | | |
| Kansas City..... | 338,157 | 8 | 521 | 1,221 | 3.63 | 81 | .24 | 6.6 |
| St. Louis..... | 786,164 | 8 | 3,439 | 3,564 | 4.53 | 162 | .21 | 4.5 |
| Nebraska: | | | | | | | | |
| Omaha..... | 197,056 | 7 | 300 | 828 | 4.20 | 88 | .45 | 10.6 |
| New Jersey: | | | | | | | | |
| Camden..... | 119,672 | 7 | 193 | 246 | 2.05 | 24 | .20 | 9.8 |
| Jersey City..... | 302,788 | 8 | 835 | 955 | 3.15 | 79 | .26 | 8.3 |
| Newark..... | 424,885 | 8 | 1,111 | 1,059 | 2.49 | 42 | .10 | 4.0 |
| Paterson..... | 137,463 | 8 | 243 | 386 | 2.81 | 32 | .23 | 8.3 |
| Trenton..... | 122,760 | 7 | 240 | 287 | 2.34 | 30 | .24 | 10.5 |
| New York: | | | | | | | | |
| Albany..... | 115,071 | 8 | 126 | 356 | 3.09 | 21 | .18 | 5.9 |
| Buffalo..... | 519,608 | 8 | 967 | 1,960 | 3.77 | 148 | .28 | 7.6 |
| New York..... | 5,751,867 | 8 | 14,090 | 15,110 | 2.63 | 891 | .15 | 5.9 |
| Rochester..... | 305,229 | 7 | 367 | 1,520 | 4.98 | 77 | .25 | 5.1 |
| Syracuse..... | 177,265 | 8 | 300 | 1,090 | 6.09 | 77 | .43 | 7.1 |
| Yonkers..... | 103,324 | 7 | 269 | 187 | 1.81 | 13 | .13 | 7.0 |
| Ohio: | | | | | | | | |
| Akron..... | 1208,435 | 7 | 294 | 519 | 2.49 | 30 | .14 | 5.8 |
| Cincinnati..... | 403,418 | 8 | 848 | 1,025 | 2.54 | 69 | .17 | 6.7 |
| Cleveland..... | 831,138 | 8 | 1,969 | 1,788 | 2.15 | 187 | .22 | 10.5 |
| Columbus..... | 245,358 | 8 | 321 | 1,014 | 4.13 | 40 | .16 | 3.9 |
| Dayton..... | 1152,559 | 8 | 265 | 211 | 1.38 | 19 | .12 | 9.0 |
| Toledo..... | 253,096 | 8 | 314 | 1,493 | 5.88 | 92 | .36 | 6.2 |
| Youngstown..... | 139,432 | 5 | 184 | 172 | 1.23 | 4 | .03 | 2.3 |
| Oregon: | | | | | | | | |
| Portland..... | 264,850 | 5 | 132 | 1,567 | 5.92 | 50 | .19 | 3.2 |
| Pennsylvania: | | | | | | | | |
| Philadelphia..... | 1,866,212 | 8 | 2,619 | 3,382 | 1.81 | 323 | .17 | 9.6 |
| Pittsburgh..... | 602,452 | 8 | 1,363 | 1,633 | 2.71 | 131 | .22 | 8.0 |
| Rending..... | 105,593 | 7 | 171 | 341 | 3.23 | 39 | .37 | 11.4 |
| Scranton..... | 139,007 | 7 | 292 | 266 | 1.91 | 36 | .26 | 13.5 |
| Rhode Island: | | | | | | | | |
| Providence..... | 230,645 | 8 | 822 | 660 | 2.37 | 18 | .08 | 3.2 |
| Tennessee: | | | | | | | | |
| Memphis..... | 165,656 | 4 | 530 | 507 | 3.60 | 17 | .10 | 2.8 |
| Nashville..... | 122,036 | 8 | 102 | 775 | 2.25 | 13 | .11 | 4.7 |

¹ Enumerated population Jan. 1, 1920.

Reported Prevalence for the Year 1921—Medians for Previous Years—Continued.

DIPHTHERIA—Continued.

| City. | Estimated population, July 1, 1921. | Median. | | 1921 | | | | |
|---------------------|-------------------------------------|------------------|-----------------|-----------------|------------------------------|--------------------|-------------------------------|---------------------------|
| | | Number of years. | Cases reported. | Cases reported. | Cases per 1,000 inhabitants. | Deaths registered. | Deaths per 1,000 inhabitants. | Fatalities per 100 cases. |
| Texas: | | | | | | | | |
| Dallas..... | 165,282 | 6 | 126 | 258 | 1.56 | 14 | 0.09 | 5.4 |
| Fort Worth..... | 111,423 | 6 | 110 | 100 | .90 | 4 | .04 | 4.0 |
| Houston..... | 144,340 | 5 | 102 | 245 | 1.70 | 12 | .08 | 4.9 |
| San Antonio..... | 171,387 | 7 | 167 | 184 | 1.07 | 20 | .12 | 10.9 |
| Utah: | | | | | | | | |
| Salt Lake City..... | 121,595 | 8 | 111 | 214 | 1.76 | 22 | .18 | 10.3 |
| Virginia: | | | | | | | | |
| Norfolk..... | 121,260 | 3 | 101 | 145 | 1.20 | 3 | .02 | 2.1 |
| Richmond..... | 175,696 | 7 | 253 | 408 | 2.32 | 17 | .10 | 4.2 |
| Washington: | | | | | | | | |
| Seattle..... | 1 315,312 | 8 | 191 | 403 | 1.28 | 19 | .06 | 4.7 |
| Spokane..... | 104,442 | 6 | 63 | 206 | 1.97 | 15 | .14 | 7.3 |
| Wisconsin: | | | | | | | | |
| Milwaukee..... | 468,386 | 7 | 1,017 | 1,404 | 3.00 | 84 | .18 | 6.0 |
| 68 cities..... | 28,176,530 | ..... | 50,093 | 81,954 | 2.91 | 5,201 | .18 | 6.3 |

INFLUENZA.

| City. | Estimated population, July 1, 1921. | Cases reported, 1921. | Cases per 1,000 inhabitants. | Deaths registered, 1921. | Deaths per 1,000 inhabitants. | Cases reported for each death registered. |
|------------------------------|-------------------------------------|-----------------------|------------------------------|--------------------------|-------------------------------|---|
| Alabama: | | | | | | |
| Birmingham..... | 186,133 | ..... | ..... | 37 | 0.20 | ..... |
| California: | | | | | | |
| Los Angeles..... | 614,160 | 125 | 0.20 | 21 | .03 | 6.0 |
| San Francisco..... | 520,546 | 286 | .55 | 33 | .06 | 8.7 |
| Colorado: | | | | | | |
| Denver..... | 263,152 | ..... | ..... | 20 | .08 | ..... |
| Connecticut: | | | | | | |
| Bridgeport..... | 1 143,555 | ..... | ..... | 7 | .05 | ..... |
| Hartford..... | 144,080 | 15 | .10 | 4 | .03 | 3.7 |
| New Haven..... | 167,007 | ..... | ..... | 3 | .02 | ..... |
| District of Columbia: | | | | | | |
| Washington..... | 1 437,571 | 66 | .15 | 34 | .08 | 1.9 |
| Georgia: | | | | | | |
| Atlanta..... | 207,473 | 125 | .60 | 19 | .09 | 6.6 |
| Illinois: | | | | | | |
| Chicago..... | 2,780,655 | 690 | .25 | 111 | .04 | 6.2 |
| Iowa: | | | | | | |
| Des Moines..... | 132,663 | ..... | ..... | 11 | .08 | ..... |
| Kansas: | | | | | | |
| Kansas City..... | 103,884 | 3 | .03 | 1 | .01 | 3.0 |
| Kentucky: | | | | | | |
| Louisville..... | 263,083 | 11 | .05 | 2 | .01 | 5.5 |
| Louisiana: | | | | | | |
| New Orleans..... | 394,657 | ..... | ..... | 54 | .14 | ..... |
| Maryland: | | | | | | |
| Baltimore..... | 750,864 | 1,290 | 1.72 | 61 | .08 | 21.1 |
| Massachusetts: | | | | | | |
| Boston..... | 757,634 | 148 | .20 | 22 | .03 | 6.7 |
| Cambridge..... | 110,444 | 38 | .34 | 2 | .02 | 19.0 |
| Fall River..... | 120,668 | 13 | .11 | 7 | .06 | 1.9 |
| Lowell..... | 113,757 | 2 | .02 | 1 | .01 | 2.0 |
| New Bedford..... | 125,012 | 3 | .02 | 0 | ..... | ..... |
| Springfield..... | 135,877 | ..... | ..... | 9 | .07 | ..... |
| Worcester..... | 184,972 | 45 | .24 | 6 | .03 | 7.5 |
| Michigan: | | | | | | |
| Detroit..... | 1,070,450 | 80 | .08 | 29 | .03 | 3.1 |
| Grand Rapids..... | 141,197 | 7 | .05 | 0 | ..... | ..... |
| Minnesota: | | | | | | |
| Minneapolis..... | 392,815 | ..... | ..... | 31 | .08 | ..... |
| St. Paul..... | 237,781 | ..... | ..... | 11 | .05 | ..... |
| Missouri: | | | | | | |
| Kansas City..... | 336,157 | 59 | .18 | 49 | .15 | 1.2 |
| St. Louis..... | 786,164 | 32 | .04 | 8 | .01 | 4.0 |

1 Enumerated population Jan. 1, 1920.

Reported Prevalence for the Year 1921—Medians for Previous Years—Continued.

INFLUENZA—Continued.

| City. | Estimated population, July 1, 1921. | Cases reported, 1921. | Cases per 1,000 inhabitants. | Deaths registered, 1921. | Deaths per 1,000 inhabitants. | Cases reported for each death registered. |
|---------------------|-------------------------------------|-----------------------|------------------------------|--------------------------|-------------------------------|---|
| Nebraska: | | | | | | |
| Omaha..... | 197,056 | | | 7 | 0.04 | |
| New Jersey: | | | | | | |
| Camden..... | 119,672 | 5 | 0.04 | 2 | .02 | 2.5 |
| Jersey City..... | 302,788 | | | 30 | .10 | |
| Newark..... | 424,885 | 356 | .84 | 18 | .04 | 19.8 |
| Paterson..... | 137,493 | | | 1 | .01 | |
| Trenton..... | 122,700 | 56 | .46 | 14 | .11 | 4.0 |
| New York: | | | | | | |
| Albany..... | 115,071 | 127 | 1.10 | 10 | .09 | 12.7 |
| Buffalo..... | 519,608 | 42 | .08 | 3 | .01 | 14.0 |
| New York..... | 5,751,867 | 2,486 | .43 | 384 | .07 | 6.5 |
| Rochester..... | 305,229 | | | 8 | .03 | |
| Syracuse..... | 177,265 | | | 2 | .01 | |
| Yonkers..... | 103,324 | 7 | .07 | 4 | .04 | 1.7 |
| Ohio: | | | | | | |
| Akron..... | 1208,435 | 15 | .07 | 5 | .02 | 3.0 |
| Cincinnati..... | 403,418 | | | 44 | .11 | |
| Cleveland..... | 831,138 | 45 | .05 | 25 | .03 | 1.8 |
| Columbus..... | 245,358 | | | 21 | .09 | |
| Dayton..... | 1152,559 | | | 8 | .05 | |
| Toledo..... | 253,696 | | | 22 | .09 | |
| Oregon: | | | | | | |
| Portland..... | 264,859 | | | 9 | .03 | |
| Pennsylvania: | | | | | | |
| Philadelphia..... | 1,866,212 | 176 | .09 | 142 | .08 | 1.2 |
| Pittsburgh..... | 602,452 | 79 | .13 | 73 | .12 | 1.1 |
| Reading..... | 105,593 | | | 12 | .11 | |
| Scranton..... | 139,007 | | | 24 | .17 | |
| Rhode Island: | | | | | | |
| Providence..... | 239,645 | 13 | .05 | 7 | .03 | 1.9 |
| Tennessee: | | | | | | |
| Memphis..... | 165,656 | | | 14 | .08 | |
| Nashville..... | 122,036 | | | 34 | .28 | |
| Texas: | | | | | | |
| Dallas..... | 165,282 | 65 | .39 | 17 | .10 | 3.8 |
| Fort Worth..... | 111,423 | | | 7 | .06 | |
| Houston..... | 144,340 | | | 7 | .05 | |
| San Antonio..... | 171,387 | | | 7 | .04 | |
| Utah: | | | | | | |
| Salt Lake City..... | 121,595 | | | 4 | .03 | |
| Virginia: | | | | | | |
| Richmond..... | 175,686 | | | 19 | .11 | |
| Washington: | | | | | | |
| Seattle..... | 1315,312 | | | 37 | .12 | |
| Spokane..... | 104,442 | 33 | .32 | 10 | .18 | 1.7 |
| Wisconsin: | | | | | | |
| Milwaukee..... | 468,386 | | | 7 | .01 | |

MALARIA.

| | | | | | | |
|-----------------------|-----------|----|------|----|------|------|
| Alabama: | | | | | | |
| Birmingham..... | 186,133 | 26 | 0.14 | 7 | 0.04 | 3.7 |
| California: | | | | | | |
| Los Angeles..... | 614,160 | 11 | .02 | 3 | .00 | 3.7 |
| Oakland..... | 226,472 | 1 | .00 | 0 | | |
| San Francisco..... | 520,546 | 4 | .01 | 2 | .00 | 2.0 |
| Connecticut: | | | | | | |
| Hartford..... | 144,080 | 1 | .01 | | | |
| District of Columbia: | | | | | | |
| Washington..... | 1437,571 | | | 2 | .00 | |
| Georgia: | | | | | | |
| Atlanta..... | 207,473 | 50 | .24 | 2 | .01 | 25.0 |
| Illinois: | | | | | | |
| Chicago..... | 2,780,656 | 23 | .01 | 1 | .00 | 23.0 |
| Kansas: | | | | | | |
| Kansas City..... | 103,894 | 1 | .01 | 0 | | |
| Kentucky: | | | | | | |
| Louisville..... | 236,083 | 6 | .03 | 2 | .01 | 3.0 |
| Louisiana: | | | | | | |
| New Orleans..... | 394,657 | 50 | .15 | 15 | .04 | 3.9 |

¹ Enumerated population Jan. 1, 1920.

Reported Prevalence for the Year 1921—Medians for Previous Years—Continued.

MALARIA—Continued.

| City. | Estimated population. July 1, 1921. | Cases reported, 1921. | Cases per 1,000 inhab- itants. | Deaths registered, 1921. | Deaths per 1,000 inhab- itants. | Cases reported for each death registered. |
|-------------------|--|--------------------------|--------------------------------------|--------------------------------|--|---|
| Maryland: | | | | | | |
| Baltimore..... | 750,864 | 20 | 0.03 | 0 | | |
| Massachusetts: | | | | | | |
| Boston..... | 757,634 | 18 | .02 | 0 | | |
| Fall River..... | 120,668 | 3 | .02 | 0 | | |
| Worcester..... | 184,972 | 2 | .01 | 0 | | |
| Michigan: | | | | | | |
| Detroit..... | 1,070,450 | 12 | .01 | 0 | | |
| Missouri: | | | | | | |
| Kansas City..... | 336,157 | 4 | .01 | 3 | 0.01 | 1.3 |
| St. Louis..... | 786,164 | | | 3 | .00 | |
| Nebraska: | | | | | | |
| Omaha..... | 197,066 | | | 1 | .01 | |
| New Jersey: | | | | | | |
| Jersey City..... | 302,788 | 7 | .02 | 0 | | |
| Newark..... | 424,885 | 15 | .04 | 0 | | |
| Paterson..... | 137,463 | 4 | .03 | 0 | | |
| Trenton..... | 122,760 | 4 | .03 | 0 | | |
| New York: | | | | | | |
| New York..... | 5,751,867 | 110 | .02 | 6 | .00 | 18.3 |
| Ohio: | | | | | | |
| Cleveland..... | 831,138 | 11 | .01 | 1 | .00 | 11.0 |
| Oregon: | | | | | | |
| Portland..... | 264,859 | | | 3 | .01 | |
| Pennsylvania: | | | | | | |
| Philadelphia..... | 1,866,212 | 8 | .00 | 1 | .00 | 8.0 |
| Tennessee: | | | | | | |
| Memphis..... | 165,656 | 251 | 1.52 | 62 | .37 | 4.0 |
| Nashville..... | 122,036 | | | 4 | .03 | |
| Texas: | | | | | | |
| Dallas..... | 165,282 | 181 | 1.10 | 12 | .07 | 15.1 |
| Fort Worth..... | 111,423 | | | 2 | .02 | |
| Houston..... | 144,340 | | | 16 | .11 | |
| San Antonio..... | 171,387 | | | 10 | .06 | |
| Virginia: | | | | | | |
| Norfolk..... | 121,260 | 6 | .05 | 0 | | |
| Richmond..... | 175,686 | | | 1 | .01 | |
| Washington: | | | | | | |
| Seattle..... | 1 815,312 | | | 1 | .00 | |

MEASLES.

| City. | Estimated population July 1, 1921. | Median. | | 1921 | | | | |
|-----------------------|--|------------------------|-------------------------|-------------------------|--|----------------------------|---|--------------------------------------|
| | | Number of years. | Cases re- ported. | Cases re- ported. | Cases per 1,000 inhab- itants. | Deaths regis- tered. | Deaths per 1,000 inhab- itants. | Fatali- ties per 100 cases. |
| Alabama: | | | | | | | | |
| Birmingham..... | 186,133 | 8 | 1,504 | 373 | 2.00 | 7 | 0.04 | 1.9 |
| California: | | | | | | | | |
| Los Angeles..... | 614,160 | 8 | 3,415 | 4,077 | 6.64 | 8 | .01 | .2 |
| Oakland..... | 226,472 | 7 | 445 | 74 | .33 | 0 | | |
| San Francisco..... | 520,546 | 8 | 1,866 | 665 | 1.28 | 9 | .02 | 1.4 |
| Colorado: | | | | | | | | |
| Denver..... | 263,152 | 8 | 2,262 | 1,947 | 7.40 | 16 | .06 | .8 |
| Connecticut: | | | | | | | | |
| Bridgeport..... | 1 143,555 | 7 | 308 | 77 | .54 | 1 | .01 | 1.3 |
| Hartford..... | 144,080 | 7 | 447 | 367 | 2.55 | 4 | .03 | 1.1 |
| New Haven..... | 167,007 | 8 | 540 | 72 | .43 | 1 | .01 | 1.4 |
| Delaware: | | | | | | | | |
| Wilmington..... | 113,408 | 5 | 111 | 24 | .21 | 1 | .01 | 4.2 |
| District of Columbia: | | | | | | | | |
| Washington..... | 1 437,571 | 8 | 2,291 | 4,157 | 9.50 | 11 | .03 | .3 |
| Georgia: | | | | | | | | |
| Atlanta..... | 207,473 | 4 | 535 | 496 | 2.34 | 8 | .04 | 1.6 |

1 Enumerated population Jan. 1, 1920.

Reported Prevalence for the Year 1921—Medians for Previous Years—Continued.

MEASLES—Continued.

| City. | Estimated population July 1, 1921. | Median. | | 1921 | | | | |
|-------------------|------------------------------------|------------------|-----------------|-----------------|------------------------------|--------------------|-------------------------------|---------------------------|
| | | Number of years. | Cases reported. | Cases reported. | Cases per 1,000 inhabitants. | Deaths registered. | Deaths per 1,000 inhabitants. | Fatalities per 100 cases. |
| Illinois: | | | | | | | | |
| Chicago..... | 2,780,655 | 8 | 12,078 | 8,731 | 3.14 | 120 | 0.04 | 1.4 |
| Indiana: | | | | | | | | |
| Indianapolis..... | 325,632 | 8 | 3,818 | 292 | .90 | 2 | .01 | .7 |
| Iowa: | | | | | | | | |
| Des Moines..... | 132,663 | 2 | 71 | 50 | .38 | 7 | .05 | 14.0 |
| Kansas: | | | | | | | | |
| Kansas City..... | 103,884 | 5 | 709 | 290 | 2.79 | 0 | ..... | ..... |
| Kentucky: | | | | | | | | |
| Louisville..... | 236,083 | 8 | 278 | 1,004 | 4.25 | 0 | ..... | ..... |
| Louisiana: | | | | | | | | |
| New Orleans..... | 394,657 | 8 | 972 | 883 | 2.24 | 32 | .08 | 3.6 |
| Maryland: | | | | | | | | |
| Baltimore..... | 750,804 | 8 | 4,637 | 2,236 | 2.98 | 25 | .03 | 1.1 |
| Massachusetts: | | | | | | | | |
| Boston..... | 757,634 | 8 | 5,494 | 3,396 | 4.48 | 38 | .05 | 1.1 |
| Cambridge..... | 110,444 | 5 | 1,085 | 908 | 8.22 | 5 | .05 | .6 |
| Fall River..... | 120,068 | 8 | 560 | 391 | 3.24 | 23 | .23 | 7.2 |
| Lowell..... | 113,757 | 8 | 516 | 731 | 6.43 | 6 | .05 | .8 |
| New Bedford..... | 125,012 | 7 | 439 | 35 | .28 | 0 | ..... | ..... |
| Springfield..... | 135,877 | 8 | 625 | 146 | 1.07 | 4 | .03 | 2.7 |
| Worcester..... | 184,972 | 7 | 349 | 1,192 | 6.44 | 19 | .10 | 1.6 |
| Michigan: | | | | | | | | |
| Detroit..... | 1,070,450 | 6 | 1,971 | 1,485 | 1.39 | 35 | .03 | 2.4 |
| Grand Rapids..... | 141,197 | 8 | 1,085 | 43 | .30 | 0 | ..... | ..... |
| Minnesota: | | | | | | | | |
| Minneapolis..... | 392,815 | 6 | 1,043 | 397 | 1.01 | 4 | .01 | 1.0 |
| St. Paul..... | 237,781 | 8 | 1,336 | 108 | .45 | 1 | .00 | .9 |
| Missouri: | | | | | | | | |
| Kansas City..... | 336,157 | 8 | 1,366 | 1,278 | 3.80 | 13 | .04 | 1.0 |
| St. Louis..... | 786,164 | 7 | 5,321 | 302 | .38 | 4 | .01 | 1.3 |
| Nebraska: | | | | | | | | |
| Omaha..... | 197,066 | 6 | 533 | 400 | 2.03 | 3 | .02 | .7 |
| New Jersey: | | | | | | | | |
| Camden..... | 119,672 | 7 | 312 | 72 | .60 | 0 | ..... | ..... |
| Jersey City..... | 302,788 | 8 | 1,157 | 588 | 1.94 | 24 | .08 | 4.1 |
| Newark..... | 424,885 | 8 | 4,180 | 1,339 | 3.15 | 13 | .03 | 1.0 |
| Paterson..... | 137,463 | 8 | 577 | 243 | 1.77 | 1 | .01 | .4 |
| Trenton..... | 122,760 | 7 | 340 | 300 | 2.44 | 4 | .03 | 1.3 |
| New York: | | | | | | | | |
| Albany..... | 115,071 | 8 | 588 | 891 | 7.74 | 3 | .03 | .3 |
| Buffalo..... | 519,608 | 8 | 3,469 | 1,463 | 2.82 | 26 | .05 | 1.8 |
| New York..... | 5,751,867 | 8 | 28,047 | 7,738 | 1.35 | 165 | .03 | 2.1 |
| Rochester..... | 305,229 | 7 | 1,674 | 82 | .27 | 7 | .02 | 8.5 |
| Syracuse..... | 177,265 | 8 | 1,640 | 1,211 | 6.83 | 6 | .03 | .5 |
| Yonkers..... | 103,324 | 7 | 785 | 267 | 2.58 | 0 | ..... | ..... |
| Ohio: | | | | | | | | |
| Akron..... | 1 208,435 | 7 | 341 | 175 | .84 | 0 | ..... | ..... |
| Cincinnati..... | 403,418 | 8 | 1,112 | 395 | .98 | 13 | .03 | 3.3 |
| Cleveland..... | 831,138 | 8 | 3,114 | 1,259 | 1.51 | 25 | .03 | 2.0 |
| Columbus..... | 245,358 | 8 | 970 | 46 | .19 | 3 | .01 | 6.5 |
| Dayton..... | 1 152,559 | 8 | 613 | 36 | .24 | 1 | .01 | 2.8 |
| Toledo..... | 253,696 | 8 | 1,251 | 98 | .39 | 0 | ..... | ..... |
| Youngstown..... | 139,432 | 5 | 370 | 1,104 | 7.92 | 11 | .09 | 1.0 |
| Oregon: | | | | | | | | |
| Portland..... | 264,850 | 5 | 1,527 | 1,881 | 7.10 | 0 | ..... | ..... |
| Pennsylvania: | | | | | | | | |
| Philadelphia..... | 1,866,212 | 8 | 10,968 | 1,367 | .73 | 23 | .01 | 1.7 |
| Pittsburgh..... | 602,452 | 8 | 5,669 | 1,910 | 3.17 | 24 | .04 | 1.3 |
| Reading..... | 105,593 | 7 | 945 | 419 | 3.97 | 3 | .03 | .7 |
| Scranton..... | 139,007 | 7 | 433 | 230 | 1.65 | 2 | .01 | .9 |
| Rhode Island: | | | | | | | | |
| Providence..... | 239,645 | 8 | 351 | 2,410 | 10.06 | 45 | .19 | 1.9 |
| Tennessee: | | | | | | | | |
| Memphis..... | 105,656 | 4 | 620 | 1,818 | 10.97 | 4 | .02 | .2 |
| Nashville..... | 122,036 | 8 | 499 | 250 | 2.05 | 2 | .02 | .8 |
| Texas: | | | | | | | | |
| Dallas..... | 165,282 | 6 | 64 | 1,919 | 11.61 | 6 | .04 | .3 |
| Fort Worth..... | 111,423 | 6 | 82 | 18 | .16 | 2 | .02 | 11.1 |
| Houston..... | 144,340 | 4 | 343 | 31 | .21 | 0 | ..... | ..... |
| San Antonio..... | 171,387 | 7 | 137 | 293 | 1.71 | 5 | .03 | 1.7 |

1 Enumerated population Jan. 1, 1920.

Reported Prevalence for the Year 1921—Medians for Previous Years—Continued.

MEASLES—Continued.

| City. | Estimated population July 1, 1921. | Median. | | 1921 | | | | |
|---------------------|------------------------------------|------------------|--------------------|--------------------|------------------------------|--------------------|-------------------------------|---------------------------|
| | | Number of years. | Cases re-reported. | Cases re-reported. | Cases per 1,000 inhabitants. | Deaths registered. | Deaths per 1,000 inhabitants. | Fatalities per 100 cases. |
| Utah: | | | | | | | | |
| Salt Lake City..... | 121,595 | 8 | 1,072 | 1,977 | 16.26 | 23 | 0.19 | 1.2 |
| Virginia: | | | | | | | | |
| Norfolk..... | 121,260 | 3 | 327 | 959 | 7.91 | 0 | ..... | ..... |
| Richmond..... | 175,686 | 7 | 1,424 | 992 | 5.65 | 4 | .02 | .4 |
| Washington: | | | | | | | | |
| Seattle..... | 315,312 | 8 | 1,923 | 124 | .39 | 0 | ..... | ..... |
| Spokane..... | 104,442 | 6 | 1,005 | 399 | 3.82 | 1 | .01 | .3 |
| Wisconsin: | | | | | | | | |
| Milwaukee..... | 468,386 | 7 | 1,527 | 305 | .65 | 1 | .00 | .3 |
| 68 cities..... | 28,176,530 | ..... | 137,451 | 71,226 | 2.53 | 859 | .03 | 1.2 |

PELLAGRA.

| City. | Estimated population July 1, 1921. | Median. | | 1921 | | | | |
|--------------------|------------------------------------|------------------|--------------------|--------------------|------------------------------|--------------------|-------------------------------|--|
| | | Number of years. | Cases re-reported. | Cases re-reported. | Cases per 1,000 inhabitants. | Deaths registered. | Deaths per 1,000 inhabitants. | Cases re-reported for each death registered. |
| Alabama: | | | | | | | | |
| Birmingham..... | 186,133 | 4 | 113 | 34 | 0.18 | 26 | 0.14 | 1.3 |
| California: | | | | | | | | |
| Los Angeles..... | 614,160 | 6 | 7 | 3 | .00 | 2 | .00 | 1.5 |
| San Francisco..... | 520,546 | 3 | 1 | 5 | .01 | 1 | .00 | 5.0 |
| Georgia: | | | | | | | | |
| Atlanta..... | 207,473 | ..... | ..... | ..... | ..... | 22 | .11 | ..... |
| Illinois: | | | | | | | | |
| Chicago..... | 2,780,655 | ..... | ..... | ..... | ..... | 3 | .00 | ..... |
| Indiana: | | | | | | | | |
| Indianapolis..... | 325,632 | 4 | 0 | 1 | .00 | ..... | ..... | ..... |
| Kentucky: | | | | | | | | |
| Louisville..... | 236,083 | 5 | 2 | ..... | ..... | 1 | .00 | ..... |
| Louisiana: | | | | | | | | |
| New Orleans..... | 394,657 | 6 | 52 | 30 | .08 | 24 | .06 | 1.2 |
| Maryland: | | | | | | | | |
| Baltimore..... | 750,864 | 2 | 3 | 5 | .01 | 4 | .01 | 1.2 |
| Massachusetts: | | | | | | | | |
| Boston..... | 757,634 | 6 | 6 | 5 | .01 | 4 | .01 | 1.2 |
| Missouri: | | | | | | | | |
| St. Louis..... | 786,164 | ..... | ..... | ..... | ..... | 4 | .01 | ..... |
| New York: | | | | | | | | |
| Albany..... | 115,071 | 8 | 0 | ..... | ..... | 1 | .01 | ..... |
| New York..... | 5,751,867 | 4 | 4 | ..... | ..... | 7 | .00 | ..... |
| Syracuse..... | 177,265 | 2 | 0 | ..... | ..... | 1 | .01 | ..... |
| Ohio: | | | | | | | | |
| Cleveland..... | 831,138 | 4 | 1 | ..... | ..... | 1 | .00 | ..... |
| Pennsylvania: | | | | | | | | |
| Philadelphia..... | 1,866,212 | 5 | 3 | ..... | ..... | 4 | .00 | ..... |
| Pittsburgh..... | 602,452 | 5 | 0 | ..... | ..... | 1 | .00 | ..... |
| Tennessee: | | | | | | | | |
| Memphis..... | 165,656 | 2 | 103 | 33 | .20 | 24 | .14 | 1.4 |
| Nashville..... | 122,036 | 4 | 213 | ..... | ..... | 9 | .07 | ..... |
| Texas: | | | | | | | | |
| Dallas..... | 165,282 | 5 | 35 | 27 | .16 | 24 | .15 | 1.1 |
| Fort Worth..... | 111,423 | 1 | 20 | ..... | ..... | 18 | .16 | ..... |
| Houston..... | 144,340 | 2 | 21 | ..... | ..... | 13 | .09 | ..... |
| Virginia: | | | | | | | | |
| Norfolk..... | 121,200 | 1 | 3 | ..... | ..... | 7 | .06 | ..... |
| Richmond..... | 175,686 | 4 | 23 | ..... | ..... | 4 | .02 | ..... |
| 23 cities..... | 17,584,057 | ..... | ..... | ..... | ..... | 205 | .01 | ..... |

¹ Enumerated population Jan. 1, 1920.

² Indianapolis not included.

Reported Prevalence for the Year 1921—Medians for Previous Years—Continued.

PNEUMONIA (ALL FORMS).

| City. | Estimated population, July 1, 1921. | Cases reported, 1921. | Cases per 1,000 inhabitants. | Deaths registered, 1921. | Deaths per 1,000 inhabitants. | Cases reported for each death registered. |
|-----------------------|-------------------------------------|-----------------------|------------------------------|--------------------------|-------------------------------|---|
| Alabama: | | | | | | |
| Birmingham..... | 186,133 | | | 251 | 1.35 | |
| California: | | | | | | |
| Los Angeles..... | 614,160 | 1,431 | 2.33 | 495 | .81 | 2.9 |
| Oakland..... | 226,472 | | | 168 | .74 | |
| San Francisco..... | 520,546 | | | 611 | 1.17 | |
| Colorado: | | | | | | |
| Denver..... | 263,152 | | | 479 | 1.82 | |
| Connecticut: | | | | | | |
| Bridgeport..... | 1143,555 | 2 120 | 2.84 | 168 | 1.17 | |
| Hartford..... | 144,080 | 2 113 | 2.78 | 63 | .47 | |
| New Haven..... | 167,007 | 2 49 | 2.29 | 198 | 1.19 | |
| Delaware: | | | | | | |
| Wilmington..... | 113,408 | | | 160 | 1.41 | |
| District of Columbia: | | | | | | |
| Washington..... | 1 437,571 | | | 549 | 1.25 | |
| Georgia: | | | | | | |
| Atlanta..... | 207,473 | | | 347 | 1.67 | |
| Illinois: | | | | | | |
| Chicago..... | 2,780,655 | 8,336 | 3.00 | 2,152 | .77 | 3.9 |
| Indiana: | | | | | | |
| Indianapolis..... | 325,632 | | | 313 | .96 | |
| Kansas: | | | | | | |
| Kansas City..... | 103,884 | 120 | 1.16 | 53 | .51 | 2.3 |
| Kentucky: | | | | | | |
| Louisville..... | 236,083 | | | 258 | 1.09 | |
| Louisiana: | | | | | | |
| New Orleans..... | 394,657 | | | 492 | 1.25 | |
| Maryland: | | | | | | |
| Baltimore..... | 750,864 | 2,095 | 2.70 | 1,002 | 1.33 | 2.1 |
| Massachusetts: | | | | | | |
| Boston..... | 757,634 | 2 1,098 | 2 1.45 | 883 | 1.17 | |
| Cambridge..... | 110,444 | 2 152 | 2 1.38 | 48 | .43 | |
| Fall River..... | 120,668 | 2 168 | 2 1.39 | 179 | 1.48 | |
| Lowell..... | 113,757 | 2 92 | 2.81 | 145 | 1.27 | |
| New Bedford..... | 125,012 | 2 72 | 2.58 | 29 | .23 | |
| Springfield..... | 135,877 | 2 145 | 2 1.07 | 114 | .84 | |
| Worcester..... | 184,972 | 2 302 | 2 1.63 | 118 | .64 | |
| Michigan: | | | | | | |
| Detroit..... | 1,070,450 | 2,054 | 1.92 | 897 | .84 | 2.3 |
| Grand Rapids..... | 141,197 | 216 | 1.53 | 84 | .59 | 2.6 |
| Minnesota: | | | | | | |
| Minneapolis..... | 392,815 | | | 336 | .86 | |
| St. Paul..... | 237,781 | | | 194 | .82 | |
| Missouri: | | | | | | |
| Kansas City..... | 336,157 | | | 424 | 1.26 | |
| St. Louis..... | 786,164 | | | 1,206 | 1.53 | |
| Nebraska: | | | | | | |
| Omaha..... | 197,066 | | | 244 | 1.24 | |
| New Jersey: | | | | | | |
| Camden..... | 119,672 | | | 204 | 1.70 | |
| Jersey City..... | 302,788 | | | 453 | 1.50 | |
| Newark..... | 424,885 | 2,486 | 5.85 | 382 | .90 | 6.5 |
| Paterson..... | 137,463 | | | 195 | 1.42 | |
| Trenton..... | 122,760 | 240 | 1.96 | 168 | 1.37 | 1.4 |
| New York: | | | | | | |
| Albany..... | 115,071 | 419 | 3.64 | 101 | .88 | 4.1 |
| Buffalo..... | 519,608 | 1,114 | 2.14 | 378 | .73 | 2.9 |
| New York..... | 5,751,867 | 14,144 | 2.46 | 6,477 | 1.13 | 2.2 |
| Rochester..... | 305,229 | 538 | 1.80 | 235 | .77 | 2.3 |
| Syracuse..... | 177,265 | 294 | 1.66 | 155 | .87 | 1.9 |
| Yonkers..... | 103,324 | 216 | 2.09 | 99 | .96 | 2.2 |
| Ohio: | | | | | | |
| Akron..... | 1208,435 | | | 171 | .82 | |
| Cincinnati..... | 403,418 | | | 427 | 1.06 | |
| Cleveland..... | 831,138 | 1,113 | 1.34 | 784 | .94 | 1.4 |
| Columbus..... | 245,358 | | | 221 | .90 | |
| Dayton..... | 1152,559 | | | 103 | .68 | |
| Toledo..... | 253,696 | | | 108 | .66 | |
| Youngstown..... | 139,432 | | | 151 | 1.08 | |
| Oregon: | | | | | | |
| Portland..... | 264,859 | | | 200 | .76 | |

1 Enumerated population Jan. 1, 1920.

2 Lobar pneumonia only.

Reported Prevalence for the Year 1921—Medians for Previous Years—Continued.

PNEUMONIA (ALL FORMS)—Continued.

| City. | Estimated population, July 1, 1921. | Cases reported, 1921. | Cases per 1,000 inhabitants. | Deaths registered, 1921. | Deaths per 1,000 inhabitants. | Cases reported for each death registered. |
|---------------------|-------------------------------------|-----------------------|------------------------------|--------------------------|-------------------------------|---|
| Pennsylvania: | | | | | | |
| Philadelphia..... | 1,866,212 | 3,525 | 1.89 | 2,441 | 1.31 | 1.4 |
| Pittsburgh..... | 602,452 | | | 1,730 | 2.87 | |
| Reading..... | 105,593 | | | 134 | 1.27 | |
| Seranton..... | 139,007 | | | 224 | 1.61 | |
| Rhode Island: | | | | | | |
| Providence..... | 239,645 | | | 281 | 1.17 | |
| Tennessee: | | | | | | |
| Memphis..... | 165,656 | | | 246 | 1.49 | |
| Nashville..... | 122,036 | | | 92 | .75 | |
| Texas: | | | | | | |
| Dallas..... | 165,282 | 200 | 1.21 | 132 | .80 | 1.5 |
| Fort Worth..... | 111,423 | | | 106 | .95 | |
| Houston..... | 144,340 | | | 113 | .78 | |
| San Antonio..... | 171,387 | | | 181 | 1.06 | |
| Utah: | | | | | | |
| Salt Lake City..... | 121,595 | | | 127 | 1.04 | |
| Virginia: | | | | | | |
| Richmond..... | 175,686 | | | 220 | 1.25 | |
| Washington: | | | | | | |
| Seattle..... | 1315,312 | | | 25 | .08 | |
| Spokane..... | 104,442 | 153 | 1.46 | 133 | 1.27 | 1.2 |
| Wisconsin: | | | | | | |
| Milwaukee..... | 468,386 | | | 404 | .86 | |
| 67 cities..... | 27,922,607 | | | 30,326 | 1.09 | |

POLIOMYELITIS (INFANTILE PARALYSIS).

| City. | Estimated population, July 1, 1921. | Median. | | 1921 | | | | |
|-----------------------|-------------------------------------|------------------|-----------------|-----------------|------------------------------|--------------------|-------------------------------|-------------------------|
| | | Number of years. | Cases reported. | Cases reported. | Cases per 1,000 inhabitants. | Deaths registered. | Deaths per 1,000 inhabitants. | Fatality per 100 cases. |
| Alabama: | | | | | | | | |
| Birmingham..... | 186,133 | 8 | 3 | 1 | 0.01 | 0 | | |
| California: | | | | | | | | |
| Los Angeles..... | 614,160 | 8 | 12 | 17 | .03 | 5 | 0.01 | 20.4 |
| Oakland..... | 226,472 | 6 | 2 | 9 | .04 | 0 | | |
| San Francisco..... | 520,546 | 8 | 7 | 60 | .12 | 11 | .02 | 18.3 |
| Colorado: | | | | | | | | |
| Denver..... | 263,152 | 6 | 3 | | | 3 | .01 | |
| Connecticut: | | | | | | | | |
| Bridgeport..... | 143,555 | 6 | 2 | 8 | .06 | 4 | .03 | 30.0 |
| Hartford..... | 144,080 | 7 | 4 | 4 | .03 | 2 | .01 | 50.0 |
| New Haven..... | 167,007 | 6 | 2 | 9 | .05 | 3 | .02 | 33.3 |
| District of Columbia: | | | | | | | | |
| Washington..... | 1437,571 | 8 | 6 | 40 | .09 | 7 | .02 | 17.5 |
| Georgia: | | | | | | | | |
| Atlanta..... | 207,473 | 5 | 0 | 2 | .01 | 0 | | |
| Illinois: | | | | | | | | |
| Chicago..... | 2,780,655 | 8 | 87 | 135 | .05 | 30 | .01 | 22.2 |
| Indiana: | | | | | | | | |
| Indianapolis..... | 325,632 | 7 | 3 | 2 | .01 | 0 | | |
| Iowa: | | | | | | | | |
| Des Moines..... | 132,663 | 3 | 2 | | | 6 | .05 | |
| Louisiana: | | | | | | | | |
| New Orleans..... | 394,657 | 8 | 4 | 5 | .01 | 0 | | |
| Maryland: | | | | | | | | |
| Baltimore..... | 750,864 | 8 | 20 | 148 | .20 | 22 | .03 | 14.9 |
| Massachusetts: | | | | | | | | |
| Boston..... | 757,634 | 8 | 21 | 50 | .07 | 12 | .02 | 24.0 |
| Cambridge..... | 110,444 | 5 | 6 | 4 | .04 | 0 | | |
| Fall River..... | 120,668 | 7 | 5 | 2 | .02 | 0 | | |

¹ Enumerated population, Jan. 1, 1920.

Reported Prevalence for the Year 1921—Medians for Previous Years—Continued.

POLIOMYELITIS (INFANTILE PARALYSIS)—Continued.

| City. | Estimated population July 1, 1921. | Median. | | 1921 | | | | |
|--------------------------|------------------------------------|------------------|-----------------|-----------------|------------------------------|--------------------|-------------------------------|---------------------------|
| | | Number of years. | Cases reported. | Cases reported. | Cases per 1,000 inhabitants. | Deaths registered. | Deaths per 1,000 inhabitants. | Fatalities per 100 cases. |
| Massachusetts—Continued. | | | | | | | | |
| Lowell..... | 113,757 | 7 | 9 | 1 | .01 | 0 | ..... | ..... |
| New Bedford..... | 125,012 | 7 | 1 | 2 | .02 | 0 | ..... | ..... |
| Springfield..... | 135,877 | 8 | 6 | 8 | .06 | 0 | ..... | ..... |
| Michigan: | | | | | | | | |
| Detroit..... | 1,070,450 | 6 | 17 | 111 | .10 | 26 | .02 | 23.4 |
| Grand Rapids..... | 141,197 | 7 | 4 | 4 | .03 | 1 | .01 | 25.0 |
| Minnesota: | | | | | | | | |
| Minneapolis..... | 392,815 | 6 | 6 | 44 | .11 | 10 | .03 | 22.7 |
| St. Paul..... | 237,781 | 8 | 4 | 36 | .15 | 4 | .02 | 11.1 |
| Missouri: | | | | | | | | |
| Kansas City..... | 336,157 | 6 | 5 | 23 | .07 | 7 | .02 | 30.4 |
| St. Louis..... | 786,164 | 8 | 14 | 51 | .06 | 19 | .02 | 37.3 |
| Nebraska: | | | | | | | | |
| Omaha..... | 197,066 | 6 | 4 | 6 | .03 | 3 | .02 | 50.0 |
| New Jersey: | | | | | | | | |
| Camden..... | 119,672 | 6 | 1 | 2 | .02 | 0 | ..... | ..... |
| Jersey City..... | 302,788 | 8 | 2 | 16 | .05 | 3 | .01 | 18.7 |
| Newark..... | 424,885 | 8 | 20 | 15 | .04 | 4 | .01 | 26.7 |
| Paterson..... | 137,463 | 8 | 2 | 19 | .14 | 8 | .02 | 15.8 |
| Trenton..... | 122,760 | 7 | 1 | 4 | .03 | 1 | .01 | 25.0 |
| New York: | | | | | | | | |
| Buffalo..... | 519,608 | 8 | 8 | 14 | .03 | 5 | .01 | 35.7 |
| New York..... | 5,751,867 | 8 | 136 | 588 | .10 | 143 | .02 | 24.3 |
| Rochester..... | 305,229 | 7 | 3 | 8 | .03 | 1 | .00 | 12.5 |
| Syracuse..... | 177,265 | 7 | 4 | 15 | .08 | 2 | .01 | 13.3 |
| Yonkers..... | 103,324 | 7 | 1 | 5 | .05 | 2 | .02 | 40.0 |
| Ohio: | | | | | | | | |
| Akron..... | 1208,435 | 5 | 6 | 15 | .07 | 8 | .04 | 53.3 |
| Cincinnati..... | 403,418 | 7 | 8 | 10 | .02 | 3 | .01 | 30.0 |
| Cleveland..... | 831,138 | 8 | 28 | 36 | .04 | 5 | .01 | 13.9 |
| Columbus..... | 245,358 | 8 | 3 | ..... | ..... | 4 | .02 | ..... |
| Dayton..... | 1152,559 | 7 | 2 | 5 | .03 | 2 | .01 | 40.0 |
| Toledo..... | 253,696 | 6 | 10 | 4 | .02 | 2 | .01 | 50.0 |
| Youngstown..... | 139,432 | 5 | 3 | 12 | .09 | 5 | .04 | 41.7 |
| Oregon: | | | | | | | | |
| Portland..... | 264,859 | 5 | 3 | 13 | .05 | 4 | .02 | 30.8 |
| Pennsylvania: | | | | | | | | |
| Philadelphia..... | 1,866,212 | 8 | 18 | 52 | .03 | 8 | .00 | 15.4 |
| Pittsburgh..... | 602,452 | 8 | 13 | 21 | .03 | 6 | .01 | 28.6 |
| Reading..... | 105,593 | 7 | 2 | ..... | ..... | 1 | .01 | ..... |
| Rhode Island: | | | | | | | | |
| Providence..... | 230,645 | 8 | 9 | 2 | .01 | 0 | ..... | ..... |
| Tennessee: | | | | | | | | |
| Memphis..... | 165,656 | 4 | 0 | ..... | ..... | 1 | .01 | ..... |
| Nashville..... | 122,036 | 6 | 1 | ..... | ..... | 2 | .02 | ..... |
| Utah: | | | | | | | | |
| Salt Lake City..... | 121,595 | 6 | 4 | ..... | ..... | 3 | .02 | ..... |
| Virginia: | | | | | | | | |
| Norfolk..... | 121,260 | 3 | 0 | 11 | .09 | 0 | ..... | ..... |
| Richmond..... | 175,686 | 5 | 5 | 10 | .06 | 1 | .01 | 10.0 |
| Washington: | | | | | | | | |
| Seattle..... | 1315,312 | 7 | 2 | 41 | .13 | 14 | .04 | 34.1 |
| Spokane..... | 104,442 | 6 | 1 | 35 | .34 | 18 | .17 | 51.4 |
| Wisconsin: | | | | | | | | |
| Milwaukee..... | 468,386 | 5 | 16 | 32 | .07 | 6 | .01 | 18.7 |
| 58 cities..... | 26,691,673 | ..... | ..... | ..... | ..... | 432 | .02 | ..... |

¹ Enumerated population Jan. 1, 1920.

Reported Prevalence for the Year 1921—Medians for Previous Years—Continued.

RABIES IN ANIMALS.

| City. | Cases reported, 1921. | City. | Cases reported, 1921. |
|-----------------------|-----------------------|------------------|-----------------------|
| Alabama: | | New Jersey: | |
| Birmingham..... | 54 | Jersey City..... | 6 |
| California: | | New York: | |
| Los Angeles..... | 40 | New York..... | 85 |
| District of Columbia: | | Ohio: | |
| Washington..... | 12 | Cincinnati..... | 5 |
| Kentucky: | | Cleveland..... | 106 |
| Louisville..... | 6 | Dayton..... | 5 |
| Massachusetts: | | Rhode Island: | |
| Boston..... | 15 | Providence..... | 14 |
| Springfield..... | 2 | Virginia: | |
| Michigan: | | Richmond..... | 3 |
| Detroit..... | 30 | Wisconsin: | |
| Missouri: | | Milwaukee..... | 1 |
| Kansas City..... | 52 | | |
| St. Louis..... | 26 | | |

RABIES IN MAN.

| City. | Cases reported, 1921. | Deaths registered, 1921. | City. | Cases reported, 1921. | Deaths registered, 1921. |
|------------------|-----------------------|--------------------------|-----------------|-----------------------|--------------------------|
| California: | | | Ohio: | | |
| Los Angeles..... | 1 | 1 | Cleveland..... | | 1 |
| Kentucky: | | | Pennsylvania: | | |
| Louisville..... | 1 | 1 | Pittsburgh..... | 1 | 1 |
| Massachusetts: | | | Rhode Island: | | |
| Boston..... | 1 | 1 | Providence..... | 2 | 2 |
| New York: | | | Texas: | | |
| New York..... | | 3 | Houston..... | 1 | 1 |
| Rochester..... | 1 | 1 | | | |

SCARLET FEVER.

| City. | Estimated population July 1, 1921. | Median. | | 1921 | | | | |
|-----------------------|------------------------------------|------------------|-----------------|-----------------|------------------------------|--------------------|-------------------------------|---------------------------|
| | | Number of years. | Cases reported. | Cases reported. | Cases per 1,000 inhabitants. | Deaths registered. | Deaths per 1,000 inhabitants. | Fatalities per 100 cases. |
| Alabama: | | | | | | | | |
| Birmingham..... | 166,133 | 8 | 205 | 168 | 0.90 | 3 | 0.02 | 1.8 |
| California: | | | | | | | | |
| Los Angeles..... | 614,160 | 8 | 450 | 853 | 1.39 | 28 | .05 | 3.3 |
| Oakland..... | 226,472 | 7 | 281 | 269 | 1.19 | 2 | .01 | .7 |
| San Francisco..... | 520,546 | 8 | 429 | 574 | 1.10 | 5 | .01 | .9 |
| Colorado: | | | | | | | | |
| Denver..... | 263,152 | 8 | 432 | 480 | 1.82 | 7 | .03 | 1.5 |
| Connecticut: | | | | | | | | |
| Bridgeport..... | 143,555 | 8 | 144 | 521 | 3.63 | 23 | .16 | 4.4 |
| Hartford..... | 144,080 | 7 | 160 | 170 | 1.18 | 11 | .08 | 6.5 |
| New Haven..... | 167,007 | 8 | 223 | 781 | 4.68 | 8 | .05 | 1.0 |
| Delaware: | | | | | | | | |
| Wilmington..... | 113,408 | 7 | 82 | 371 | 3.27 | 5 | .04 | 1.3 |
| District of Columbia: | | | | | | | | |
| Washington..... | 1437,571 | 8 | 624 | 853 | 1.95 | 9 | .02 | 1.1 |
| Georgia: | | | | | | | | |
| Atlanta..... | 207,473 | 5 | 177 | 290 | 1.40 | 8 | .04 | 2.8 |
| Illinois: | | | | | | | | |
| Chicago..... | 2,780,655 | 8 | 6,553 | 5,459 | 1.96 | 180 | .06 | 2.3 |
| Indiana: | | | | | | | | |
| Indianapolis..... | 325,632 | 8 | 550 | 1,443 | 4.43 | 20 | .06 | 1.4 |

¹Estimated population Jan. 1, 1921.

Reported Prevalence for the Year 1921—Medians for Previous Years—Continued.

SCARLET FEVER—Continued.

| City. | Estimated population July 1, 1921. | Median. | | 1921 | | | | |
|---------------------|------------------------------------|------------------|-----------------|-----------------|------------------------------|--------------------|-------------------------------|---------------------------|
| | | Number of years. | Cases reported. | Cases reported. | Cases per 1,000 inhabitants. | Deaths registered. | Deaths per 1,000 inhabitants. | Fatalities per 100 cases. |
| Iowa: | | | | | | | | |
| Des Moines..... | 132,663 | 4 | 183 | 340 | 2.56 | 2 | .02 | .6 |
| Kansas: | | | | | | | | |
| Kansas City..... | 103,881 | 5 | 179 | 143 | 1.38 | 0 | ..... | ..... |
| Kentucky: | | | | | | | | |
| Louisville..... | 236,083 | 8 | 203 | 553 | 2.34 | 7 | .03 | 1.3 |
| Louisiana: | | | | | | | | |
| New Orleans..... | 394,657 | 8 | 119 | 247 | .63 | 3 | .01 | 1.2 |
| Maryland: | | | | | | | | |
| Baltimore..... | 750,904 | 8 | 1,052 | 1,065 | 1.42 | 11 | .01 | 1.0 |
| Massachusetts: | | | | | | | | |
| Boston..... | 757,634 | 8 | 2,027 | 1,999 | 2.64 | 53 | .07 | 2.7 |
| Cambridge..... | 110,444 | 5 | 161 | 253 | 2.34 | 2 | .02 | .8 |
| Fall River..... | 120,068 | 8 | 130 | 118 | .98 | 2 | .02 | 1.7 |
| Lowell..... | 113,757 | 8 | 111 | 50 | .44 | 0 | ..... | ..... |
| New Bedford..... | 125,012 | 7 | 137 | 225 | 1.80 | 1 | .01 | .4 |
| Springfield..... | 135,877 | 8 | 178 | 336 | 2.47 | 2 | .01 | .6 |
| Worcester..... | 184,972 | 7 | 272 | 399 | 2.16 | 13 | .07 | 3.3 |
| Michigan: | | | | | | | | |
| Detroit..... | 1,070,450 | 8 | 1,751 | 3,125 | 2.92 | 117 | .11 | 3.7 |
| Grand Rapids..... | 141,197 | 8 | 321 | 297 | 2.10 | 2 | .01 | .7 |
| Minnesota: | | | | | | | | |
| Minneapolis..... | 392,815 | 6 | 690 | 2,359 | 6.01 | 54 | .14 | 2.3 |
| St. Paul..... | 237,781 | 8 | 514 | 1,137 | 4.78 | 20 | .08 | 1.8 |
| Missouri: | | | | | | | | |
| Kansas City..... | 339,157 | 8 | 335 | 395 | 1.18 | 8 | .02 | 2.0 |
| St. Louis..... | 786,164 | 8 | 1,134 | 1,735 | 2.21 | 40 | .05 | 2.3 |
| Nebraska: | | | | | | | | |
| Omaha..... | 197,066 | 7 | 412 | 344 | 1.75 | 5 | .03 | 1.5 |
| New Jersey: | | | | | | | | |
| Camden..... | 119,672 | 7 | 95 | 272 | 2.27 | 1 | .01 | .4 |
| Jersey City..... | 392,783 | 8 | 601 | 533 | 1.76 | 8 | .03 | 1.5 |
| Newark..... | 424,885 | 8 | 852 | 1,948 | 4.58 | 25 | .06 | 1.3 |
| Paterson..... | 137,463 | 8 | 118 | 229 | 1.64 | 6 | .04 | 2.7 |
| Trenton..... | 122,760 | 7 | 94 | 266 | 2.17 | 8 | .07 | 3.0 |
| New York: | | | | | | | | |
| Albany..... | 115,071 | 8 | 163 | 144 | 1.25 | 2 | .02 | 1.4 |
| Buffalo..... | 519,608 | 8 | 641 | 1,131 | 2.18 | 55 | .11 | 4.9 |
| New York..... | 5,751,867 | 8 | 6,398 | 13,516 | 2.35 | 385 | .07 | 2.8 |
| Rochester..... | 308,229 | 7 | 511 | 291 | .95 | 19 | .06 | 6.5 |
| Syracuse..... | 177,265 | 8 | 375 | 775 | 4.37 | 13 | .07 | 1.7 |
| Yonkers..... | 103,324 | 7 | 167 | 384 | 3.72 | 9 | .09 | 2.3 |
| Ohio: | | | | | | | | |
| Akron..... | 1208,435 | 7 | 279 | 540 | 2.59 | 12 | .06 | 2.2 |
| Cincinnati..... | 403,418 | 8 | 459 | 644 | 1.60 | 13 | .03 | 2.0 |
| Cleveland..... | 831,138 | 8 | 742 | 2,357 | 2.84 | 120 | .14 | 5.1 |
| Columbus..... | 245,358 | 8 | 300 | 439 | 1.79 | 14 | .06 | 3.2 |
| Dayton..... | 152,559 | 8 | 247 | 176 | 1.15 | 15 | .10 | 8.5 |
| Toledo..... | 253,696 | 8 | 518 | 442 | 1.74 | 7 | .03 | 1.6 |
| Youngstown..... | 139,432 | 5 | 172 | 364 | 2.61 | 13 | .09 | 3.6 |
| Oregon: | | | | | | | | |
| Portland..... | 264,859 | 5 | 392 | 265 | 1.00 | 3 | .01 | 1.1 |
| Pennsylvania: | | | | | | | | |
| Philadelphia..... | 1,866,212 | 8 | 1,806 | 6,432 | 3.45 | 104 | .06 | 1.6 |
| Pittsburgh..... | 602,452 | 8 | 1,071 | 1,739 | 2.89 | 48 | .08 | 2.8 |
| Reading..... | 105,593 | 7 | 143 | 161 | 1.52 | 1 | .01 | .6 |
| Scranton..... | 139,007 | 7 | 204 | 171 | 1.23 | 3 | .02 | 1.8 |
| Rhode Island: | | | | | | | | |
| Providence..... | 239,645 | 8 | 563 | 319 | 1.33 | 6 | .03 | 1.9 |
| Tennessee: | | | | | | | | |
| Memphis..... | 165,656 | 4 | 189 | 167 | 1.01 | 2 | .01 | 1.2 |
| Nashville..... | 122,036 | 7 | 111 | 238 | 1.95 | 3 | .02 | 1.3 |
| Texas: | | | | | | | | |
| Dallas..... | 165,282 | 6 | 97 | 110 | .67 | 0 | ..... | ..... |
| Fort Worth..... | 111,423 | 6 | 63 | 51 | .46 | 0 | ..... | ..... |
| Houston..... | 144,340 | 5 | 38 | 50 | .35 | 0 | ..... | ..... |
| San Antonio..... | 171,387 | 7 | 37 | 42 | .25 | 0 | ..... | ..... |
| Utah: | | | | | | | | |
| Salt Lake City..... | 121,505 | 8 | 188 | 342 | 2.81 | 4 | .03 | 1.2 |
| Virginia: | | | | | | | | |
| Norfolk..... | 121,260 | 3 | 70 | 182 | 1.50 | 2 | .02 | 1.1 |
| Richmond..... | 175,696 | 7 | 221 | 231 | 1.31 | 1 | .01 | .4 |

¹ Enumerated population Jan. 1, 1920.

Reported Prevalence for the Year 1921—Medians for Previous Years—Continued.

SCARLET FEVER—Continued.

| City. | Estimated population July 1, 1921. | Median. | | 1921 | | | | |
|----------------|------------------------------------|------------------|-----------------|-----------------|------------------------------|--------------------|-------------------------------|---------------------------|
| | | Number of years. | Cases reported. | Cases reported. | Cases per 1,000 inhabitants. | Deaths registered. | Deaths per 1,000 inhabitants. | Fatalities per 100 cases. |
| Washington: | | | | | | | | |
| Seattle..... | 1 315,312 | 8 | 218 | 300 | 0.95 | 2 | 0.01 | 0.7 |
| Spokane..... | 104,442 | 0 | 116 | 290 | 2.78 | 4 | .04 | 1.4 |
| Wisconsin: | | | | | | | | |
| Milwaukee..... | 468,386 | 7 | 1,287 | 1,322 | 2.82 | 54 | .12 | 4.1 |
| 68 cities..... | 28,176,530 | ..... | 39,774 | 64,217 | 2.28 | 1,613 | .06 | 2.5 |

SMALLPOX.

| | | | | | | | | |
|-----------------------|-----------|---|-----|-------|------|-------|-------|-------|
| Alabama: | | | | | | | | |
| Birmingham..... | 180,133 | 8 | 122 | 357 | 1.92 | 1 | 0.01 | 0.3 |
| California: | | | | | | | | |
| Los Angeles..... | 614,160 | 8 | 69 | 244 | .40 | ..... | ..... | ..... |
| Oakland..... | 226,472 | 7 | 20 | 261 | 1.15 | 0 | ..... | ..... |
| San Francisco..... | 529,546 | 8 | 74 | 992 | 1.91 | 1 | .00 | .1 |
| Colorado: | | | | | | | | |
| Denver..... | 263,152 | 8 | 140 | 924 | 3.51 | 37 | .14 | 4.0 |
| Connecticut: | | | | | | | | |
| Bridgeport..... | 1 143,555 | 8 | 0 | 7 | .05 | 0 | ..... | ..... |
| District of Columbia: | | | | | | | | |
| Washington..... | 1 437,571 | 8 | 68 | 66 | .15 | ..... | ..... | ..... |
| Georgia: | | | | | | | | |
| Atlanta..... | 207,473 | 4 | 175 | 653 | 3.15 | 3 | .01 | .5 |
| Illinois: | | | | | | | | |
| Chicago..... | 2,780,655 | 8 | 117 | 246 | .09 | 4 | .00 | 1.6 |
| Indiana: | | | | | | | | |
| Indianapolis..... | 325,632 | 8 | 243 | 362 | 1.11 | 2 | .01 | .6 |
| Iowa: | | | | | | | | |
| Des Moines..... | 132,063 | 4 | 163 | 223 | 1.68 | ..... | ..... | ..... |
| Kansas: | | | | | | | | |
| Kansas City..... | 106,884 | 5 | 244 | 243 | 2.34 | 15 | .14 | 6.2 |
| Kentucky: | | | | | | | | |
| Louisville..... | 236,083 | 8 | 52 | 67 | .28 | 0 | ..... | ..... |
| Louisiana: | | | | | | | | |
| New Orleans..... | 304,057 | 8 | 145 | 372 | .94 | 39 | .10 | 10.5 |
| Maryland: | | | | | | | | |
| Baltimore..... | 750,864 | 7 | 34 | 15 | .02 | 0 | ..... | ..... |
| Massachusetts: | | | | | | | | |
| Boston..... | 757,634 | 8 | 4 | 6 | .01 | 0 | ..... | ..... |
| Worcester..... | 184,972 | 5 | 0 | 6 | .03 | 0 | ..... | ..... |
| Michigan: | | | | | | | | |
| Detroit..... | 1,070,450 | 8 | 472 | 846 | .79 | 2 | .00 | .2 |
| Grand Rapids..... | 141,197 | 7 | 29 | 13 | .09 | 0 | ..... | ..... |
| Minnesota: | | | | | | | | |
| Minneapolis..... | 302,815 | 6 | 511 | 2,615 | 6.66 | 3 | .01 | .1 |
| St. Paul..... | 237,781 | 8 | 219 | 1,562 | 6.57 | 2 | .01 | .1 |
| Missouri: | | | | | | | | |
| Kansas City..... | 336,157 | 8 | 204 | 943 | 2.81 | 156 | .46 | 16.5 |
| St. Louis..... | 786,164 | 8 | 141 | 524 | .67 | 0 | ..... | ..... |
| Nebraska: | | | | | | | | |
| Omaha..... | 197,096 | 6 | 458 | 445 | 2.26 | 3 | .02 | .7 |
| New Jersey: | | | | | | | | |
| Camden..... | 119,672 | 5 | 3 | 12 | .10 | 0 | ..... | ..... |
| Jersey City..... | 302,788 | 7 | 1 | 7 | .02 | 0 | ..... | ..... |
| Newark..... | 424,885 | 5 | 2 | 13 | .03 | 0 | ..... | ..... |
| Trenton..... | 122,700 | 5 | 0 | 16 | .13 | 0 | ..... | ..... |
| New York: | | | | | | | | |
| Albany..... | 115,071 | 8 | 0 | 1 | .01 | 0 | ..... | ..... |
| Buffalo..... | 519,608 | 8 | 21 | 5 | .01 | 1 | .00 | 20.0 |
| New York..... | 5,751,867 | 8 | 19 | 29 | .01 | 0 | ..... | ..... |
| Rochester..... | 305,229 | 6 | 2 | 3 | .01 | 0 | ..... | ..... |
| Syracuse..... | 177,265 | 6 | 1 | 5 | .03 | 0 | ..... | ..... |
| Ohio: | | | | | | | | |
| Akron..... | 1 208,435 | 7 | 82 | 163 | .78 | 0 | ..... | ..... |
| Cincinnati..... | 403,418 | 7 | 81 | 118 | .29 | 1 | .00 | .8 |
| Cleveland..... | 831,138 | 8 | 169 | 87 | .10 | 0 | ..... | ..... |
| Columbus..... | 245,358 | 8 | 77 | 273 | 1.11 | 0 | ..... | ..... |
| Dayton..... | 1 152,559 | 7 | 17 | 67 | .44 | 0 | ..... | ..... |
| Toledo..... | 253,696 | 8 | 169 | 504 | 1.99 | ..... | ..... | ..... |
| Youngstown..... | 139,432 | 5 | 202 | 9 | .05 | 0 | ..... | ..... |

1 Enumerated population Jan. 1, 1920.

Reported Prevalence for the Year 1921—Medians for Previous Years—Continued.

SMALLPOX—Continued.

| City. | Estimated population July 1, 1921. | Median. | | 1921 | | | | |
|---------------------|------------------------------------|------------------|-----------------|-----------------|------------------------------|--------------------|-------------------------------|---------------------------|
| | | Number of years. | Cases reported. | Cases reported. | Cases per 1,000 inhabitants. | Deaths registered. | Deaths per 1,000 inhabitants. | Fatalities per 100 cases. |
| Oregon: | | | | | | | | |
| Portland..... | 264,859 | 5 | 137 | 561 | 2.12 | 1 | 0.00 | 0.2 |
| Pennsylvania: | | | | | | | | |
| Philadelphia..... | 1,866,212 | 7 | 12 | 3 | .00 | 0 | ..... | ..... |
| Pittsburgh..... | 602,452 | 8 | 12 | 8 | .01 | 0 | ..... | ..... |
| Rhode Island: | | | | | | | | |
| Providence..... | 239,645 | 7 | 0 | 1 | .00 | 0 | ..... | ..... |
| Tennessee: | | | | | | | | |
| Memphis..... | 165,656 | 4 | 239 | 150 | .91 | 0 | ..... | ..... |
| Nashville..... | 122,036 | 8 | 33 | 125 | 1.02 | 0 | ..... | ..... |
| Texas: | | | | | | | | |
| Dallas..... | 165,282 | 6 | 209 | 140 | .85 | 0 | ..... | ..... |
| Fort Worth..... | 111,423 | 6 | 152 | 46 | .41 | 2 | .02 | 4.3 |
| Houston..... | 144,340 | 5 | 45 | 43 | .30 | 1 | .01 | 2.3 |
| San Antonio..... | 171,387 | 7 | 30 | 13 | .08 | 2 | .01 | 15.4 |
| Utah: | | | | | | | | |
| Salt Lake City..... | 121,595 | 8 | 252 | 738 | 6.07 | 1 | .01 | .1 |
| Virginia: | | | | | | | | |
| Norfolk..... | 121,260 | 3 | 76 | 19 | .16 | 0 | ..... | ..... |
| Richmond..... | 175,686 | 7 | 5 | 15 | .09 | 0 | ..... | ..... |
| Washington: | | | | | | | | |
| Seattle..... | 1315,312 | 8 | 93 | 565 | 1.79 | 1 | .00 | .2 |
| Spokane..... | 104,442 | 6 | 366 | 955 | 9.14 | 1 | .01 | .1 |
| Wisconsin: | | | | | | | | |
| Milwaukee..... | 468,386 | 7 | 332 | 517 | 1.10 | 0 | ..... | ..... |
| 56 cities..... | 26,660,890 | ..... | 6,863 | 17,203 | .65 | 279 | .01 | 1.6 |

TUBERCULOSIS (ALL FORMS).

| City. | Estimated population July 1, 1921. | Cases reported, 1921. | Cases per 1,000 inhabitants. | Deaths registered, 1921. | Deaths per 1,000 inhabitants. | Cases reported for each death registered. |
|-----------------------|------------------------------------|-----------------------|------------------------------|--------------------------|-------------------------------|---|
| Alabama: | | | | | | |
| Birmingham..... | 186,133 | ..... | ..... | 251 | 1.35 | ..... |
| California: | | | | | | |
| Los Angeles..... | 614,160 | 3,162 | 5.15 | 1,033 | 1.68 | 3.1 |
| Oakland..... | 226,472 | 165 | .73 | 148 | .65 | 1.1 |
| San Francisco..... | 520,546 | ..... | ..... | 638 | 1.23 | ..... |
| Colorado: | | | | | | |
| Denver..... | 263,152 | ..... | ..... | 575 | 2.19 | ..... |
| Connecticut: | | | | | | |
| Bridgeport..... | 143,555 | 227 | 1.58 | 140 | .98 | 1.6 |
| New Haven..... | 167,007 | 405 | 2.43 | 124 | .74 | 3.3 |
| Delaware: | | | | | | |
| Wilmington..... | 113,408 | ..... | ..... | 110 | .97 | ..... |
| District of Columbia: | | | | | | |
| Washington..... | 1437,571 | 1,257 | 2.90 | 539 | 1.23 | 2.4 |
| Georgia: | | | | | | |
| Atlanta..... | 207,473 | ..... | ..... | 242 | 1.17 | ..... |
| Illinois: | | | | | | |
| Chicago..... | 2,780,655 | 10,593 | 3.81 | 2,330 | .84 | 4.5 |
| Indiana: | | | | | | |
| Indianapolis..... | 325,632 | ..... | ..... | 398 | 1.22 | ..... |
| Iowa: | | | | | | |
| Des Moines..... | 132,663 | ..... | ..... | 77 | .58 | ..... |
| Kansas: | | | | | | |
| Kansas City..... | 103,884 | 208 | 2.00 | 105 | 1.01 | 2.0 |
| Kentucky: | | | | | | |
| Louisville..... | 236,083 | 409 | 1.99 | 260 | 1.10 | 1.8 |
| Louisiana: | | | | | | |
| New Orleans..... | 394,657 | 1,102 | 2.79 | 746 | 1.89 | 1.6 |

¹ Enumerated population Jan. 1, 1920.

Reported Prevalence for the Year 1921—Medians for Previous Years—Continued.

TUBERCULOSIS (ALL FORMS)—Continued.

| City. | Estimated population July 1, 1921. | Cases reported, 1921. | Cases per 1,000 inhab- itants. | Deaths regis- tered, 1921. | Deaths per 1,000 inhab- itants. | Cases reported for each death reg- istered. |
|---------------------|--|-----------------------------|---|-------------------------------------|--|---|
| Maryland: | | | | | | |
| Baltimore..... | 750,864 | 1,406 | 1.87 | 1,050 | 1.40 | 1.3 |
| Massachusetts: | | | | | | |
| Boston..... | 757,634 | 2,543 | 3.36 | 877 | 1.16 | 2.9 |
| Cambridge..... | 110,444 | 243 | 2.20 | 130 | 1.23 | 1.8 |
| Fall River..... | 120,668 | 249 | 2.06 | 117 | .97 | 2.1 |
| Lowell..... | 113,757 | 248 | 2.18 | 85 | .75 | 2.9 |
| New Bedford..... | 125,012 | 339 | 2.71 | 152 | 1.22 | 2.2 |
| Springfield..... | 135,877 | 196 | 1.44 | 102 | .75 | 1.9 |
| Worcester..... | 184,972 | 271 | 1.47 | 175 | .95 | 1.5 |
| Michigan: | | | | | | |
| Detroit..... | 1,070,450 | 2,255 | 2.11 | 888 | .83 | 2.5 |
| Grand Rapids..... | 141,197 | 271 | 1.92 | 85 | .60 | 3.2 |
| Minnesota: | | | | | | |
| Minneapolis..... | 302,815 | 1,435 | 3.65 | 330 | .86 | 4.2 |
| St. Paul..... | 237,781 | 579 | 2.44 | 238 | 1.00 | 2.4 |
| Missouri: | | | | | | |
| Kansas City..... | 336,157 | | | 334 | .90 | |
| St. Louis..... | 786,164 | 1,773 | 2.26 | 816 | 1.04 | 2.2 |
| Nebraska: | | | | | | |
| Omaha..... | 197,066 | | | 147 | .75 | |
| New Jersey: | | | | | | |
| Camden..... | 119,672 | 132 | 1.10 | 90 | .75 | 1.5 |
| Jersey City..... | 302,788 | 533 | 1.76 | 318 | 1.05 | 1.7 |
| Newark..... | 424,885 | 1,247 | 2.93 | 446 | 1.05 | 2.8 |
| Paterson..... | 137,463 | 270 | 2.03 | 112 | .81 | 2.5 |
| Trenton..... | 122,700 | 265 | 2.16 | 164 | 1.34 | 1.6 |
| New York: | | | | | | |
| Albany..... | 115,071 | 267 | 2.32 | 139 | 1.21 | 1.9 |
| Buffalo..... | 519,608 | 1,085 | 2.09 | 543 | 1.05 | 2.0 |
| New York..... | 5,751,867 | 13,457 | 2.34 | 5,922 | 1.03 | 2.3 |
| Rochester..... | 305,229 | 583 | 1.91 | 102 | .33 | 5.7 |
| Syracuse..... | 177,265 | | | 124 | .70 | |
| Yonkers..... | 103,324 | 256 | 2.48 | 107 | 1.04 | 2.4 |
| Ohio: | | | | | | |
| Akron..... | 1208,435 | 425 | 2.04 | 84 | .40 | 5.1 |
| Cincinnati..... | 403,418 | 1,137 | 2.82 | 588 | 1.46 | 1.9 |
| Cleveland..... | 831,138 | 1,866 | 2.25 | 803 | .97 | 2.3 |
| Columbus..... | 245,358 | | | 231 | .94 | |
| Dayton..... | 1152,559 | | | 127 | .83 | |
| Toledo..... | 253,606 | | | 316 | 1.25 | |
| Youngstown..... | 139,432 | 123 | .88 | 82 | .59 | 1.5 |
| Oregon: | | | | | | |
| Portland..... | 264,850 | 361 | 1.36 | 173 | .65 | 2.1 |
| Pennsylvania: | | | | | | |
| Philadelphia..... | 1,886,212 | 3,632 | 1.95 | 2,167 | 1.16 | 1.7 |
| Pittsburgh..... | 602,452 | | | 603 | 1.00 | |
| Reading..... | 105,593 | | | 71 | .67 | |
| Seranton..... | 139,007 | | | 98 | .71 | |
| Rhode Island: | | | | | | |
| Providence..... | 239,645 | | | 236 | .98 | |
| Tennessee: | | | | | | |
| Memphis..... | 165,656 | 713 | 4.30 | 261 | 1.53 | 2.7 |
| Nashville..... | 122,036 | | | 184 | 1.51 | |
| Texas: | | | | | | |
| Dallas..... | 165,282 | 240 | 1.45 | 140 | .85 | 1.7 |
| Houston..... | 144,340 | 194 | 1.34 | 143 | .99 | 1.4 |
| San Antonio..... | 171,387 | | | 421 | 2.46 | |
| Utah: | | | | | | |
| Salt Lake City..... | 121,595 | | | 66 | .54 | |
| Virginia: | | | | | | |
| Norfolk..... | 121,260 | 193 | 1.59 | 145 | 1.20 | 1.3 |
| Richmond..... | 175,686 | | | 255 | 1.45 | |
| Washington: | | | | | | |
| Seattle..... | 1315,312 | 458 | 1.45 | 219 | .69 | 2.1 |
| Spokane..... | 104,442 | 127 | 1.22 | 67 | .64 | 1.9 |
| Wisconsin: | | | | | | |
| Milwaukee..... | 468,386 | | | 308 | .66 | |
| 66 cities..... | 27,921,027 | | | 29,112 | 1.04 | |

¹ Enumerated population Jan. 1, 1920.

Reported Prevalence for the Year 1921—Medians for Previous Years—Continued.

TUBERCULOSIS (PULMONARY).

| City. | Estimated population July 1, 1921. | Cases reported, 1921. | Cases per 1,000 inhabitants. | Deaths registered, 1921. | Deaths per 1,000 inhabitants. | Cases reported for each death registered. |
|-----------------------|------------------------------------|-----------------------|------------------------------|--------------------------|-------------------------------|---|
| Alabama: | | | | | | |
| Birmingham..... | 186,133 | 264 | 1.42 | 211 | 1.13 | 1.3 |
| California: | | | | | | |
| Los Angeles..... | 614,160 | | | 870 | 1.42 | |
| Oakland..... | 226,472 | 162 | .72 | 121 | .53 | 1.3 |
| San Francisco..... | 520,546 | 1,347 | 2.59 | 530 | 1.00 | 2.6 |
| Colorado: | | | | | | |
| Denver..... | 263,152 | | | 494 | 1.88 | |
| Connecticut: | | | | | | |
| Bridgeport..... | 143,555 | 218 | 1.52 | 128 | .89 | 1.7 |
| Hartford..... | 144,080 | 208 | 1.44 | 61 | .42 | 3.4 |
| New Haven..... | 167,007 | 361 | 2.16 | 87 | .52 | 4.1 |
| Delaware: | | | | | | |
| Wilmington..... | 113,408 | | | 90 | .79 | |
| District of Columbia: | | | | | | |
| Washington..... | 143,571 | 1,244 | 2.84 | 463 | 1.06 | 2.7 |
| Illinois: | | | | | | |
| Chicago..... | 2,780,655 | | | 1,935 | .70 | |
| Indiana: | | | | | | |
| Indianapolis..... | 325,632 | 614 | 1.89 | 319 | .98 | 1.9 |
| Iowa: | | | | | | |
| Des Moines..... | 132,663 | | | 64 | .48 | |
| Louisiana: | | | | | | |
| New Orleans..... | 394,657 | | | 650 | 1.65 | |
| Maryland: | | | | | | |
| Baltimore..... | 750,864 | 1,390 | 1.85 | 889 | 1.18 | 1.6 |
| Massachusetts: | | | | | | |
| Boston..... | 757,634 | 2,177 | 2.87 | 700 | 1.00 | 2.9 |
| Cambridge..... | 110,444 | 204 | 1.85 | 120 | 1.09 | 1.7 |
| Fall River..... | 120,668 | 213 | 1.77 | 93 | .77 | 2.3 |
| Lowell..... | 113,757 | 219 | 1.93 | 62 | .55 | 3.5 |
| New Bedford..... | 125,012 | 208 | 2.38 | 123 | .98 | 2.4 |
| Springfield..... | 135,877 | 169 | 1.24 | 73 | .54 | 2.3 |
| Worcester..... | 184,972 | 223 | 1.21 | 132 | .71 | 1.7 |
| Michigan: | | | | | | |
| Detroit..... | 1,070,450 | 2,079 | 1.94 | 736 | .69 | 2.8 |
| Minnesota: | | | | | | |
| Minneapolis..... | 392,815 | | | 289 | .74 | |
| St. Paul..... | 237,781 | | | 191 | .80 | |
| Missouri: | | | | | | |
| St. Louis..... | 786,164 | | | 723 | .92 | |
| Nebraska: | | | | | | |
| Omaha..... | 197,066 | | | 123 | .62 | |
| New Jersey: | | | | | | |
| Jersey City..... | 302,788 | | | 274 | .90 | |
| Newark..... | 424,885 | | | 392 | .92 | |
| Paterson..... | 137,463 | | | 104 | .76 | |
| Trenton..... | 122,760 | 244 | 1.99 | 151 | 1.23 | 1.6 |
| New York: | | | | | | |
| Albany..... | 115,071 | | | 113 | .98 | |
| Buffalo..... | 519,608 | 955 | 1.84 | 466 | .90 | 2.0 |
| New York..... | 5,751,867 | 12,966 | 2.25 | 5,143 | .89 | 2.5 |
| Syracuse..... | 177,265 | | | 82 | .46 | |
| Yonkers..... | 103,324 | 241 | 2.33 | 93 | .90 | 2.6 |
| Ohio: | | | | | | |
| Akron..... | 1208,435 | 356 | 1.71 | 71 | .34 | 5.0 |
| Cincinnati..... | 403,418 | 1,070 | 2.65 | 518 | 1.28 | 2.1 |
| Cleveland..... | 831,138 | 1,792 | 2.16 | 650 | .78 | 2.8 |
| Columbus..... | 245,358 | | | 183 | .75 | |
| Dayton..... | 152,559 | | | 114 | .75 | |
| Toledo..... | 253,696 | | | 280 | 1.10 | |
| Youngstown..... | 139,432 | 122 | .87 | 60 | .43 | 2.0 |
| Oregon: | | | | | | |
| Portland..... | 264,859 | | | 116 | .44 | |
| Pennsylvania: | | | | | | |
| Philadelphia..... | 1,866,212 | | | 1,912 | 1.02 | |
| Pittsburgh..... | 602,452 | 920 | 1.53 | 481 | .80 | 1.9 |
| Reading..... | 105,593 | 93 | .91 | 70 | .66 | 1.4 |
| Scranton..... | 139,007 | | | 66 | .47 | |
| Rhode Island: | | | | | | |
| Providence..... | 239,645 | | | 170 | .75 | |
| Tennessee: | | | | | | |
| Memphis..... | 165,656 | 638 | 3.85 | 219 | 1.32 | 2.9 |
| Nashville..... | 122,096 | | | 142 | 1.16 | |

¹ Enumerated population Jan. 1, 1920.

Reported Prevalence for the Year 1921—Medians for Previous Years—Continued.

TUBERCULOSIS (PULMONARY)—Continued.

| City. | Estimated population July 1, 1921. | Cases reported, 1921. | Cases per 1,000 inhabitants. | Deaths registered, 1921. | Deaths per 1,000 inhabitants. | Cases reported for each death registered. |
|---------------------|------------------------------------|-----------------------|------------------------------|--------------------------|-------------------------------|---|
| Texas: | | | | | | |
| Dallas..... | 165,282 | 238 | 1.44 | 122 | 0.74 | 2.0 |
| Houston..... | 144,340 | ..... | ..... | 120 | .83 | ..... |
| Utah: | | | | | | |
| Salt Lake City..... | 121,595 | ..... | ..... | 56 | .46 | ..... |
| Virginia: | | | | | | |
| Richmond..... | 175,686 | 648 | 3.69 | 211 | 1.20 | 3.1 |
| Washington: | | | | | | |
| Seattle..... | 315,312 | 385 | 1.22 | 145 | .46 | 2.2 |
| Spokane..... | 104,442 | 110 | 1.05 | 50 | .48 | 2.7 |
| Wisconsin: | | | | | | |
| Milwaukee..... | 468,386 | 835 | 1.78 | 246 | .53 | 3.4 |
| 59 cities..... | 26,322,765 | ..... | ..... | 23,156 | .88 | ..... |

TYPHOID FEVER.

| City. | Estimated population July 1, 1921. | Median. | | 1921. | | | | |
|-----------------------|------------------------------------|------------------|-----------------|-----------------|------------------------------|--------------------|-------------------------------|---------------------------|
| | | Number of years. | Cases reported. | Cases reported. | Cases per 1,000 inhabitants. | Deaths registered. | Deaths per 1,000 inhabitants. | Fatalities per 100 cases. |
| Alabama: | | | | | | | | |
| Birmingham..... | 186,133 | 8 | 364 | 206 | 1.11 | 32 | 0.17 | 15.5 |
| California: | | | | | | | | |
| Los Angeles..... | 614,160 | 8 | 193 | 76 | .12 | 16 | .03 | 21.1 |
| Oakland..... | 226,472 | 7 | 73 | 60 | .26 | 2 | .01 | 3.3 |
| San Francisco..... | 520,546 | 8 | 186 | 139 | .27 | 22 | .04 | 15.8 |
| Colorado: | | | | | | | | |
| Denver..... | 263,152 | 8 | 130 | 75 | .29 | 12 | .05 | 16.0 |
| Connecticut: | | | | | | | | |
| Bridgeport..... | 143,555 | 8 | 30 | 12 | .08 | 4 | .03 | 33.3 |
| Hartford..... | 144,080 | 7 | 51 | 88 | .61 | 10 | .07 | 11.4 |
| New Haven..... | 167,097 | 8 | 72 | 97 | .58 | 8 | .05 | 8.2 |
| Delaware: | | | | | | | | |
| Wilmington..... | 113,408 | 7 | 122 | 33 | .29 | 5 | .04 | 16.2 |
| District of Columbia: | | | | | | | | |
| Washington..... | 437,571 | 8 | 323 | 195 | .45 | 29 | .07 | 14.9 |
| Georgia: | | | | | | | | |
| Atlanta..... | 207,473 | 5 | 98 | 91 | .45 | 24 | .12 | 25.5 |
| Illinois: | | | | | | | | |
| Chicago..... | 2,780,655 | 8 | 631 | 232 | .08 | 30 | .01 | 12.9 |
| Indiana: | | | | | | | | |
| Indianapolis..... | 325,632 | 8 | 172 | 89 | .27 | 23 | .07 | 25.8 |
| Kansas: | | | | | | | | |
| Kansas City..... | 103,884 | 4 | 57 | 47 | .45 | 5 | .05 | 10.6 |
| Kentucky: | | | | | | | | |
| Louisville..... | 236,083 | 8 | 136 | 119 | .50 | 13 | .06 | 10.9 |
| Louisiana: | | | | | | | | |
| New Orleans..... | 294,657 | 8 | 230 | 151 | .38 | 37 | .09 | 24.5 |
| Maryland: | | | | | | | | |
| Baltimore..... | 750,864 | 8 | 643 | 269 | .36 | 41 | .05 | 13.2 |
| Massachusetts: | | | | | | | | |
| Boston..... | 757,624 | 8 | 193 | 142 | .19 | 24 | .03 | 16.9 |
| Cambridge..... | 110,444 | 5 | 23 | 12 | .11 | 0 | ..... | ..... |
| Fall River..... | 120,668 | 8 | 149 | 77 | .64 | 3 | .02 | 8.9 |
| Lowell..... | 113,757 | 8 | 49 | 27 | .24 | 6 | .05 | 22.2 |
| New Bedford..... | 125,012 | 7 | 64 | 21 | .17 | 3 | .02 | 14.3 |
| Springfield..... | 135,877 | 8 | 42 | 11 | .08 | 6 | .04 | 54.5 |
| Worcester..... | 184,972 | 7 | 49 | 35 | .19 | 6 | .03 | 17.1 |
| Michigan: | | | | | | | | |
| Detroit..... | 1,070,450 | 7 | 417 | 392 | .37 | 55 | .05 | 14.0 |
| Grand Rapids..... | 141,197 | 8 | 106 | 31 | .22 | 6 | .04 | 19.4 |
| Minnesota: | | | | | | | | |
| Minneapolis..... | 392,815 | 6 | 160 | 145 | .37 | 3 | .01 | 2.1 |
| St. Paul..... | 237,731 | 8 | 78 | 121 | .51 | 17 | .07 | 14.0 |

¹ Enumerated population Jan. 1, 1920.

Reported Prevalence for the Year 1921—Medians for Previous Years—Continued.

TYPHOID FEVER—Continued.

| City. | Estimated population July 1, 1921. | Median. | | 1921 | | | | |
|---------------------|------------------------------------|------------------|-----------------|-----------------|------------------------------|--------------------|-------------------------------|---------------------------|
| | | Number of years. | Cases reported. | Cases reported. | Cases per 1,000 inhabitants. | Deaths registered. | Deaths per 1,000 inhabitants. | Fatalities per 100 cases. |
| Missouri: | | | | | | | | |
| Kansas City..... | 336,157 | 8 | 87 | 107 | 0.32 | 38 | 0.11 | 35.5 |
| St. Louis..... | 786,164 | 8 | 411 | 175 | .22 | 30 | .04 | 17.1 |
| Nebraska: | | | | | | | | |
| Omaha..... | 197,066 | 6 | 36 | 39 | .20 | 8 | .04 | 20.5 |
| New Jersey: | | | | | | | | |
| Camden..... | 119,672 | 7 | 43 | 27 | .23 | 8 | .07 | 29.6 |
| Jersey City..... | 302,788 | 8 | 50 | 58 | .19 | 11 | .04 | 19.0 |
| Newark..... | 424,885 | 7 | 111 | 74 | .17 | 12 | .03 | 16.2 |
| Paterson..... | 137,463 | 8 | 35 | 24 | .17 | 8 | .06 | 33.3 |
| Trenton..... | 122,700 | 7 | 42 | 161 | 1.31 | 11 | .09 | 6.8 |
| New York: | | | | | | | | |
| Albany..... | 115,071 | 8 | 86 | 27 | .23 | 5 | .04 | 18.5 |
| Buffalo..... | 519,608 | 8 | 221 | 107 | .21 | 22 | .04 | 20.6 |
| New York..... | 5,751,837 | 8 | 1,529 | 899 | .16 | 123 | .02 | 13.7 |
| Rochester..... | 305,229 | 7 | 50 | 59 | .19 | 10 | .03 | 16.9 |
| Syracuse..... | 177,265 | 8 | 60 | 136 | .77 | 7 | .04 | 5.1 |
| Yonkers..... | 103,324 | 7 | 16 | 9 | .09 | 3 | .03 | 33.3 |
| Ohio: | | | | | | | | |
| Akron..... | 1208,435 | 7 | 84 | 51 | .24 | 12 | .06 | 23.5 |
| Cincinnati..... | 403,418 | 8 | 119 | 67 | .17 | 14 | .03 | 20.9 |
| Cleveland..... | 831,138 | 8 | 207 | 168 | .20 | 29 | .03 | 17.3 |
| Columbus..... | 245,358 | 8 | 135 | 82 | .33 | 10 | .04 | 12.2 |
| Dayton..... | 1152,559 | 8 | 80 | 47 | .31 | 8 | .05 | 17.0 |
| Toledo..... | 253,695 | 8 | 213 | 182 | .72 | 22 | .09 | 12.1 |
| Youngstown..... | 139,432 | 5 | 85 | 85 | .61 | 17 | .12 | 20.0 |
| Oregon: | | | | | | | | |
| Portland..... | 264,859 | 5 | 47 | 34 | .13 | 8 | .03 | 23.5 |
| Pennsylvania: | | | | | | | | |
| Philadelphia..... | 1,886,212 | 8 | 682 | 394 | .21 | 42 | .02 | 10.7 |
| Pittsburgh..... | 602,452 | 8 | 279 | 250 | .41 | 26 | .04 | 10.4 |
| Reading..... | 105,593 | 7 | 60 | 103 | .98 | 14 | .13 | 13.6 |
| Seranton..... | 139,007 | 7 | 22 | 13 | .09 | 9 | .06 | 69.2 |
| Rhode Island: | | | | | | | | |
| Providence..... | 239,645 | 8 | 132 | 38 | .16 | 6 | .03 | 15.8 |
| Tennessee: | | | | | | | | |
| Memphis..... | 165,656 | 4 | 183 | 115 | .69 | 15 | .09 | 13.0 |
| Nashville..... | 122,036 | 8 | 280 | 176 | 1.44 | 25 | .20 | 14.2 |
| Texas: | | | | | | | | |
| Dallas..... | 165,282 | 6 | 120 | 93 | .56 | 21 | .13 | 22.6 |
| Fort Worth..... | 111,423 | 4 | 66 | 28 | .25 | 12 | .11 | 42.9 |
| Houston..... | 144,340 | 4 | 71 | 47 | .33 | 17 | .12 | 36.2 |
| San Antonio..... | 171,387 | 7 | 84 | 69 | .40 | 26 | .15 | 37.7 |
| Utah: | | | | | | | | |
| Salt Lake City..... | 121,595 | 8 | 110 | 43 | .35 | 7 | .06 | 16.3 |
| Virginia: | | | | | | | | |
| Norfolk..... | 121,260 | 3 | 43 | 37 | .31 | 6 | .05 | 16.2 |
| Richmond..... | 175,686 | 7 | 105 | 72 | .41 | 10 | .06 | 13.9 |
| Washington: | | | | | | | | |
| Seattle..... | 1315,312 | 8 | 61 | 100 | .32 | 7 | .02 | 7.0 |
| Spokane..... | 104,442 | 6 | 45 | 26 | .25 | 5 | .05 | 19.2 |
| Wisconsin: | | | | | | | | |
| Milwaukee..... | 468,386 | 7 | 103 | 36 | .08 | 9 | .02 | 25.0 |
| 67 cities..... | 28,043,867 | ..... | 11,034 | 7,254 | .26 | 1,115 | .04 | 15.4 |

TYPHUS FEVER.

| City. | Cases reported, 1921. | Deaths registered, 1921. | City. | Cases reported, 1921. | Deaths registered, 1921. |
|------------------|-----------------------|--------------------------|-----------------|-----------------------|--------------------------|
| California: | | | New York: | | |
| Los Angeles..... | 5 | 1 | New York..... | 38 | 4 |
| Maryland: | | | Ohio: | | |
| Baltimore..... | 3 | 1 | Cleveland..... | 1 | 0 |
| Massachusetts: | | | Youngstown..... | 1 | 0 |
| Boston..... | 1 | 0 | 7 cities..... | 50 | 0 |
| New Jersey: | | | | | |
| Paterson..... | 1 | 0 | | | |

¹Enumerated population January 1, 1920.

DEATHS DURING WEEK ENDED MAY 27, 1922.

Summary of information received by telegraph from industrial insurance companies for week ended May 27, 1922, and corresponding week, 1921. (From the Weekly Health Index, May 31, 1922, issued by the Bureau of the Census, Department of Commerce.)

| | Week ended May 27, 1922. | Corresponding week, 1921. |
|--|-----------------------------|------------------------------|
| Policies in force..... | 49,911,994 | 46,990,382 |
| Number of death claims..... | 9,088 | 7,671 |
| Death claims per 1,000 policies in force, annual rate..... | 9.5 | 8.5 |

Deaths from all causes in certain large cities of the United States during the week ended May 27, 1922, infant mortality, annual death rate, and comparison with corresponding week of 1921. (From the Weekly Health Index, May 31, 1922, issued by the Bureau of the Census, Department of Commerce.)

| City. | Estimated population July 1, 1922. | Week ended May 27, 1922. | | Annual death rate per 1,000, corre- sponding week, 1921. | Deaths under 1 year. | | Infant mor- tality rate, week ended May 27, 1922. ¹ |
|--------------------------|--|-----------------------------|-----------------------------|---|-----------------------------------|--------------------------------------|---|
| | | Total deaths. | Death rate. ¹ | | Week ended May 27, 1922. | Corre- sponding week, 1921. | |
| Total..... | 26,861,831 | 6,197 | 12.0 | 12.4 | 739 | 846 | ..... |
| Akron, Ohio..... | * 208,435 | 25 | 6.3 | 3.6 | 6 | 5 | 64 |
| Albany, N. Y. | 116,223 | 45 | 20.2 | 19.0 | 7 | 3 | 157 |
| Atlanta, Ga. | 220,047 | 59 | 14.0 | 13.1 | 14 | 9 | ..... |
| Baltimore, Md. | 762,222 | 204 | 14.0 | 13.3 | 15 | 21 | 42 |
| Birmingham, Ala. | 191,017 | 45 | 12.3 | 16.5 | 5 | 6 | ..... |
| Boston, Mass. | 764,017 | 173 | 11.8 | 14.7 | 18 | 30 | 48 |
| Bridgeport, Conn. | * 143,555 | 36 | 13.1 | 12.9 | 4 | 5 | 50 |
| Buffalo, N. Y. | 528,163 | 125 | 12.3 | 12.1 | 19 | 23 | 75 |
| Cambridge, Mass. | 110,944 | 19 | 8.9 | 18.4 | 4 | 6 | 73 |
| Camden, N. J. | 121,915 | 29 | 12.4 | 10.5 | 6 | 5 | 92 |
| Chicago, Ill. | 2,833,288 | 577 | 10.6 | 12.8 | 67 | 116 | ..... |
| Cincinnati, Ohio. | 404,865 | 120 | 15.5 | 14.0 | 9 | 8 | 60 |
| Cleveland, Ohio. | 854,003 | 163 | 10.0 | 10.4 | 30 | 24 | 77 |
| Columbus, Ohio. | 253,455 | 62 | 12.8 | 14.5 | 4 | 7 | 42 |
| Dallas, Tex. | 171,974 | 40 | 12.1 | 14.2 | 5 | 8 | ..... |
| Dayton, Ohio. | 161,824 | 32 | 10.3 | 9.9 | 5 | 6 | 85 |
| Denver, Colo. | 267,591 | 69 | 13.4 | 16.2 | 6 | 11 | ..... |
| Fall River, Mass. | 120,790 | 28 | 12.1 | 22.5 | 9 | 1 | 126 |
| Fort Worth, Tex. | 114,717 | 24 | 10.9 | ..... | 2 | ..... | ..... |
| Grand Rapids, Mich. | 143,572 | 29 | 10.5 | 13.7 | 0 | 5 | 0 |
| Houston, Tex. | 150,087 | 34 | 11.8 | 13.0 | 8 | 1 | ..... |
| Indianapolis, Ind. | 333,257 | 80 | 12.5 | 13.0 | 8 | 4 | 61 |
| Jersey City, N. J. | 305,911 | 60 | 10.2 | 12.4 | 10 | 12 | 64 |
| Kansas City, Kans. | 105,688 | 27 | 13.3 | 14.6 | 3 | 6 | 69 |
| Kansas City, Mo. | 343,988 | 96 | 14.6 | 12.4 | 12 | 7 | ..... |
| Los Angeles, Calif. | 634,866 | 163 | 13.4 | 13.2 | 17 | 15 | 71 |
| Louisville, Ky. | 236,877 | 75 | 16.5 | 17.4 | 9 | 8 | 97 |
| Lowell, Mass. | 114,423 | 35 | 16.0 | 9.6 | 4 | 4 | 67 |
| Memphis, Tenn. | 167,862 | 65 | 20.2 | 22.7 | 8 | 7 | ..... |
| Milwaukee, Wis. | 476,603 | 84 | 9.2 | 11.9 | 14 | 21 | 68 |
| Minneapolis, Minn. | 400,970 | 73 | 9.5 | 8.9 | 9 | 8 | 49 |
| Nashville, Tenn. | 122,832 | 24 | 10.2 | 10.3 | 4 | 3 | ..... |
| New Bedford, Mass. | 127,542 | 20 | 8.2 | 11.3 | 4 | 3 | 59 |
| New Haven, Conn. | 169,987 | 42 | 12.9 | 11.9 | 10 | 8 | 122 |
| New Orleans, La. | 399,616 | 131 | 17.1 | 17.7 | 13 | 25 | ..... |
| New York, N. Y. | 5,839,746 | 1,384 | 12.4 | 11.0 | 162 | 161 | 63 |
| Newark, N. J. | 431,792 | 98 | 11.8 | 10.4 | 11 | 15 | 49 |
| Norfolk, Va. | 124,915 | 23 | 9.6 | 9.9 | 3 | 9 | 53 |
| Oakland, Calif. | 233,279 | 45 | 10.1 | 10.4 | 3 | 2 | 38 |
| Omaha, Nebr. | 200,739 | 41 | 10.6 | 15.3 | 3 | 7 | 32 |
| Paterson, N. J. | 138,521 | 28 | 10.5 | 12.1 | 4 | 4 | 62 |
| Philadelphia, Pa. | 1,894,500 | 442 | 12.2 | 11.1 | 42 | 57 | 50 |
| Pittsburgh, Pa. | 607,902 | 149 | 12.8 | 14.5 | 24 | 27 | 77 |
| Portland, Oreg. | 269,240 | 57 | 11.0 | 14.0 | 6 | 6 | 59 |
| Providence, R. I. | 241,011 | 59 | 12.8 | 15.9 | 11 | 19 | 87 |
| Richmond, Va. | 178,365 | 43 | 12.6 | 16.6 | 4 | 9 | 49 |
| Rochester, N. Y. | 311,548 | 64 | 10.7 | 8.9 | 8 | 10 | 62 |

¹ Annual rate per 1,000 population.

² Deaths under 1 year per 1,000 births—an annual rate based on deaths under 1 year for the week and estimated births for 1921. Cities left blank are not in the registration area for births.

³ Enumerated population Jan. 1, 1920.

Deaths from all causes in certain large cities of the United States during the week ended May 27, 1922, infant mortality, annual death rate, and comparison with corresponding week of 1921. (From the Weekly Health Index, May 31, 1922, issued by the Bureau of the Census, Department of Commerce.)—Continued.

| City. | Estimated population July 1, 1922. | Week ended May 27, 1922. | | Annual death rate per 1,000, corresponding week, 1921. | Deaths under 1 year. | | Infant mortality rate, week ended May 27, 1922. |
|---------------------------|------------------------------------|--------------------------|-------------|--|--------------------------|---------------------------|---|
| | | Total deaths. | Death rate. | | Week ended May 27, 1922. | Corresponding week, 1921. | |
| St. Louis, Mo..... | 705,008 | 175 | 11.5 | 13.8 | 17 | 18 | ..... |
| St. Paul, Minn..... | 230,836 | 43 | 9.8 | 11.2 | 7 | 2 | 66 |
| Salt Lake City, Utah..... | 123,918 | 20 | 10.9 | 16.3 | 1 | 9 | 15 |
| San Francisco, Calif..... | 629,792 | 130 | 12.8 | 14.4 | 8 | 5 | 46 |
| Seattle, Wash..... | * 315,312 | 60 | 9.9 | 8.0 | 6 | 6 | 51 |
| Spokane, Wash..... | 104,445 | 32 | 16.0 | 7.0 | 5 | 2 | 167 |
| Springfield, Mass..... | 140,052 | 19 | 7.1 | 12.7 | 2 | 5 | 30 |
| Syracuse, N. Y..... | 181,012 | 35 | 10.1 | 11.5 | 4 | 8 | 48 |
| Toledo, Ohio..... | 260,717 | 46 | 9.2 | 13.8 | 5 | 8 | 49 |
| Trenton, N. J..... | 128,075 | 40 | 16.7 | 17.4 | 4 | 3 | 61 |
| Washington, D. C..... | * 437,571 | 110 | 14.2 | 12.7 | 11 | 7 | 63 |
| Wilmington, Del..... | 115,568 | 25 | 11.3 | 10.6 | 5 | 6 | 97 |
| Worcester, Mass..... | 188,449 | 53 | 14.7 | 13.8 | 8 | 6 | 87 |
| Yonkers, N. Y..... | 103,422 | 17 | 8.4 | 11.6 | 2 | 2 | 42 |
| Youngstown, Ohio..... | 144,970 | 29 | 10.4 | 10.8 | 5 | 2 | 66 |

* Enumerated population Jan. 1, 1920.

PREVALENCE OF DISEASE.

No health department, State or local, can effectively prevent or control disease without knowledge of when, where, and under what conditions cases are occurring.

UNITED STATES.

CURRENT STATE SUMMARIES.

Telegraphic Reports for Week Ended June 3, 1922.

These reports are preliminary, and the figures are subject to change when later returns are received by the State health officers.

| ALABAMA. | | Cases. | COLORADO. | | Cases. |
|---------------------------|--|--------|-------------------------------|--|--------|
| | | | (Exclusive of Denver.) | | |
| Chicken pox..... | | 11 | Chicken pox..... | | 1 |
| Diphtheria..... | | 7 | Diphtheria..... | | 4 |
| Hookworm disease..... | | 34 | Measles..... | | 2 |
| Malaria..... | | 25 | Mumps..... | | 3 |
| Measles..... | | 4 | Pneumonia..... | | 2 |
| Pellagra..... | | 12 | Scarlet fever..... | | 8 |
| Poliomyelitis..... | | 4 | Smallpox..... | | 11 |
| Scarlet fever..... | | 8 | Tuberculosis..... | | 5 |
| Smallpox..... | | 13 | | | |
| Tuberculosis..... | | 27 | | | |
| Typhoid fever..... | | 16 | | | |
| Whooping cough..... | | 11 | | | |
| ARKANSAS. | | | CONNECTICUT. | | |
| Chicken pox..... | | 7 | Botulism..... | | 1 |
| Diphtheria..... | | 1 | Chicken pox..... | | 31 |
| Influenza..... | | 6 | Diphtheria: | | |
| Malaria..... | | 73 | Bridgeport..... | | 8 |
| Measles..... | | 2 | New Haven..... | | 8 |
| Pellagra..... | | 7 | Scattering..... | | 23 |
| Smallpox..... | | 5 | German measles..... | | 19 |
| Trachoma..... | | 1 | Measles: | | |
| Tuberculosis..... | | 10 | Bridgeport..... | | 14 |
| Typhoid fever..... | | 20 | East Windsor..... | | 11 |
| Whooping cough..... | | 15 | Greenwich..... | | 11 |
| CALIFORNIA. | | | Hartford..... | | 35 |
| Cerebrospinal meningitis: | | | New Haven..... | | 123 |
| San Francisco..... | | 1 | Stamford..... | | 22 |
| Diphtheria..... | | 106 | Suffield..... | | 10 |
| Influenza..... | | 13 | West Haven..... | | 119 |
| Lethargic encephalitis: | | | Scattering..... | | 60 |
| San Diego..... | | 1 | Mumps..... | | 14 |
| San Francisco..... | | 1 | Pneumonia (lobar)..... | | 12 |
| Measles..... | | 41 | Scarlet fever: | | |
| Poliomyelitis: | | | Bridgeport..... | | 8 |
| San Diego..... | | 1 | Scattering..... | | 34 |
| Scarlet fever..... | | 68 | Smallpox..... | | 8 |
| Smallpox..... | | 18 | Tuberculosis (all forms)..... | | 27 |
| Typhoid fever..... | | 12 | Typhoid fever..... | | 3 |
| | | | Whooping cough..... | | 15 |

FLORIDA.

| | Cases. |
|-------------------------------|--------|
| Cerebrospinal meningitis..... | 1 |
| Diphtheria..... | 7 |
| Influenza..... | 17 |
| Malaria..... | 27 |
| Paratyphoid fever..... | 1 |
| Pneumonia..... | 1 |
| Smallpox..... | 5 |
| Typhoid fever..... | 10 |

GEORGIA.

| | |
|-------------------------------|----|
| Cerebrospinal meningitis..... | 2 |
| Chicken pox..... | 25 |
| Diphtheria..... | 8 |
| Dysentery (amebic)..... | 4 |
| Dysentery (bacillary)..... | 16 |
| Hookworm disease..... | 17 |
| Influenza..... | 5 |
| Malaria..... | 36 |
| Measles..... | 1 |
| Mumps..... | 1 |
| Pellagra..... | 1 |
| Pneumonia..... | 2 |
| Poliomyelitis..... | 1 |
| Scarlet fever..... | 8 |
| Septic sore throat..... | 2 |
| Smallpox..... | 18 |
| Tuberculosis (pulmonary)..... | 9 |
| Typhoid fever..... | 15 |
| Whooping cough..... | 25 |

INDIANA.

| | |
|---------------------------|----|
| Cerebrospinal meningitis: | |
| Jefferson County..... | 1 |
| Diphtheria..... | 37 |
| Scarlet fever..... | 37 |
| Smallpox..... | 54 |
| Typhoid fever..... | 7 |

IOWA.

| | |
|--------------------|----|
| Diphtheria..... | 21 |
| Scarlet fever..... | 29 |
| Smallpox..... | 8 |

KANSAS.

| | |
|-------------------------------|----|
| Cerebrospinal meningitis..... | 1 |
| Chicken pox..... | 61 |
| Diphtheria..... | 27 |
| Influenza..... | 4 |
| Malaria..... | 1 |
| Measles..... | 7 |
| Mumps..... | 14 |
| Pneumonia..... | 5 |
| Scarlet fever..... | 38 |
| Smallpox..... | 13 |
| Tuberculosis..... | 87 |
| Typhoid fever..... | 7 |
| Whooping cough..... | 37 |

LOUISIANA.

| | |
|--------------------|----|
| Diphtheria..... | 14 |
| Influenza..... | 4 |
| Malaria..... | 31 |
| Measles..... | 14 |
| Pellagra..... | 8 |
| Scarlet fever..... | 2 |
| Smallpox..... | 10 |
| Typhoid fever..... | 10 |

¹ Week ended Friday.

MARYLAND.¹

| | Cases. |
|-----------------------------|--------|
| Chicken pox..... | 43 |
| Diphtheria..... | 18 |
| German measles..... | 4 |
| Influenza..... | 6 |
| Lethargic encephalitis..... | 4 |
| Malaria..... | 3 |
| Measles..... | 287 |
| Mumps..... | 146 |
| Ophthalmia neonatorum..... | 1 |
| Paratyphoid fever..... | 2 |
| Pneumonia (all forms)..... | 31 |
| Poliomyelitis..... | 1 |
| Scarlet fever..... | 22 |
| Septic sore throat..... | 1 |
| Tuberculosis..... | 89 |
| Typhoid fever..... | 4 |
| Whooping cough..... | 22 |

MASSACHUSETTS.

| | |
|-----------------------------------|-----|
| Cerebrospinal meningitis..... | 1 |
| Chicken pox..... | 122 |
| Conjunctivitis (suppurative)..... | 10 |
| Diphtheria..... | 112 |
| German measles..... | 9 |
| Influenza..... | 4 |
| Lethargic encephalitis..... | 1 |
| Measles..... | 848 |
| Mumps..... | 100 |
| Ophthalmia neonatorum..... | 9 |
| Pneumonia (lobar)..... | 65 |
| Scarlet fever..... | 128 |
| Septic sore throat..... | 1 |
| Trachoma..... | 2 |
| Trichinosis..... | 1 |
| Tuberculosis (all forms)..... | 151 |
| Typhoid fever..... | 9 |
| Whooping cough..... | 69 |

MINNESOTA.

| | |
|--------------------|-----|
| Chicken pox..... | 6 |
| Diphtheria..... | 41 |
| Measles..... | 172 |
| Scarlet fever..... | 78 |
| Smallpox..... | 27 |
| Tuberculosis..... | 54 |
| Typhoid fever..... | 9 |

MISSISSIPPI.

| | |
|--------------------|----|
| Diphtheria..... | 4 |
| Smallpox..... | 12 |
| Typhoid fever..... | 23 |

MISSOURI.

| | |
|----------------------------|----|
| Chicken pox..... | 42 |
| Diphtheria..... | 32 |
| Epidemic sore throat..... | 6 |
| Measles..... | 37 |
| Mumps..... | 6 |
| Ophthalmia neonatorum..... | 1 |
| Pneumonia..... | 9 |
| Scarlet fever..... | 15 |
| Smallpox..... | 5 |
| Trachoma..... | 7 |
| Tuberculosis..... | 59 |
| Typhoid fever..... | 3 |
| Whooping cough..... | 8 |

| | Cases. | | Cases. |
|---------------------------------------|--------|--------------------------------------|--------|
| Diphtheria..... | 7 | Smallpox: | |
| Rocky Mountain spotted or tick fever: | | Niagara Falls..... | 15 |
| Big Flat..... | 1 | Typhoid fever..... | 17 |
| Billings..... | 1 | Whooping cough..... | 257 |
| Butte Creek..... | 1 | | |
| Missoula (R. F. D.)..... | 1 | NORTH CAROLINA. | |
| Myers..... | 1 | Cerebrospinal meningitis..... | 2 |
| Roundup..... | 1 | Chicken pox..... | 54 |
| Scarlet fever..... | 2 | Diphtheria..... | 18 |
| Smallpox..... | 14 | German measles..... | 2 |
| | | Measles..... | 63 |
| NEBRASKA. | | Scarlet fever..... | 19 |
| Chicken pox..... | 9 | Smallpox..... | 22 |
| Diphtheria: | | Typhoid fever..... | 40 |
| Omaha..... | 9 | Whooping cough..... | 186 |
| Scattering..... | 4 | | |
| Measles: | | OREGON. | |
| Lincoln..... | 39 | Chicken pox..... | 10 |
| Omaha..... | 18 | Diphtheria..... | 9 |
| Schuyler..... | 11 | Influenza..... | 1 |
| Scattering..... | 20 | Mumps..... | 1 |
| Mumps..... | 22 | Pneumonia..... | 15 |
| Pneumonia..... | 3 | Scarlet fever..... | 9 |
| Poliomyelitis—McCook..... | 1 | Septic sore throat..... | 2 |
| Scarlet fever..... | 17 | Smallpox..... | 13 |
| Smallpox..... | 1 | Tuberculosis..... | 6 |
| Tuberculosis..... | 14 | Typhoid fever..... | 1 |
| Typhoid fever..... | 1 | Whooping cough..... | 4 |
| Whooping cough..... | 5 | | |
| | | SOUTH DAKOTA. | |
| NEW JERSEY. | | Chicken pox..... | 13 |
| Cerebrospinal meningitis..... | 1 | Diphtheria..... | 5 |
| Chicken pox..... | 137 | Measles..... | 22 |
| Diphtheria..... | 87 | Pneumonia..... | 2 |
| Influenza..... | 4 | Scarlet fever..... | 15 |
| Malaria..... | 1 | Smallpox..... | 15 |
| Measles..... | 1,085 | Tuberculosis..... | 2 |
| Pneumonia..... | 76 | Typhoid fever..... | 1 |
| Poliomyelitis..... | 1 | | |
| Scarlet fever..... | 183 | TEXAS. | |
| Trachoma..... | 1 | Diphtheria..... | 15 |
| Typhoid fever..... | 6 | Influenza..... | 11 |
| Whooping cough..... | 117 | Measles..... | 63 |
| | | Pneumonia..... | 15 |
| NEW MEXICO. | | Scarlet fever..... | 9 |
| Chicken pox..... | 1 | Smallpox..... | 33 |
| Conjunctivitis..... | 5 | Typhoid fever..... | 4 |
| Diphtheria..... | 31 | | |
| Malaria..... | 2 | VERMONT. | |
| Mumps..... | 2 | Chicken pox..... | 26 |
| Pneumonia..... | 3 | Diphtheria..... | 2 |
| Scarlet fever..... | 13 | Measles..... | 25 |
| Smallpox..... | 2 | Mumps..... | 16 |
| Tuberculosis..... | 29 | Scarlet fever..... | 17 |
| Typhoid fever..... | 2 | Whooping cough..... | 15 |
| Whooping cough..... | 2 | | |
| | | WASHINGTON. | |
| NEW YORK. | | Cerebrospinal meningitis—Tacoma..... | 1 |
| (Exclusive of New York City.) | | Chicken pox..... | 29 |
| Cerebrospinal meningitis..... | 2 | Diphtheria..... | 9 |
| Diphtheria..... | 101 | Lethargic encephalitis: | |
| Influenza..... | 35 | Buckley..... | 1 |
| Lethargic encephalitis..... | 1 | Centralia..... | 1 |
| Measles..... | 943 | Measles: | |
| Pneumonia..... | 193 | Wenatchee..... | 14 |
| Scarlet fever..... | 170 | Scattering..... | 9 |

Deaths

| WASHINGTON—continued. | | Cases. | WISCONSIN—continued. | | Cases. |
|-------------------------------|--|--------|---------------------------------------|--|--------|
| Mumps..... | | 39 | Scattering—Continued. | | |
| Pneumonia..... | | 1 | Measles..... | | 34 |
| Scarlet fever..... | | 16 | Pneumonia..... | | 6 |
| Smallpox..... | | 17 | Scarlet fever..... | | 67 |
| Tuberculosis..... | | 33 | Smallpox..... | | 17 |
| Typhoid fever..... | | 6 | Tuberculosis..... | | 27 |
| Whooping cough..... | | 52 | Typhoid fever..... | | 19 |
| WEST VIRGINIA. | | | Whooping cough..... | | 83 |
| Diphtheria..... | | 9 | WYOMING. | | |
| Scarlet fever..... | | 5 | Chicken pox..... | | 21 |
| Typhoid fever..... | | 5 | Diphtheria..... | | 2 |
| WISCONSIN. | | | Influenza..... | | 11 |
| Milwaukee: | | | Measles..... | | 2 |
| Cerebrospinal meningitis..... | | 1 | Mumps..... | | 6 |
| Chicken pox..... | | 41 | Pneumonia..... | | 21 |
| Diphtheria..... | | 2 | Rocky Mountain spotted or tick fever: | | |
| German measles..... | | 1 | Big Horn County..... | | 2 |
| Measles..... | | 14 | Carbon County..... | | 1 |
| Pneumonia..... | | 1 | Fremont County..... | | 2 |
| Scarlet fever..... | | 7 | Lincoln County..... | | 1 |
| Smallpox..... | | 7 | Natrona County..... | | 1 |
| Tuberculosis..... | | 10 | Park County..... | | 1 |
| Whooping cough..... | | 81 | Sheridan County..... | | 1 |
| Scattering: | | | Uinta County..... | | 1 |
| Cerebrospinal meningitis..... | | 2 | Scarlet fever..... | | 2 |
| Chicken pox..... | | 84 | Smallpox..... | | 11 |
| Diphtheria..... | | 24 | Typhoid fever..... | | 2 |
| German measles..... | | 28 | Whooping cough..... | | 13 |
| Influenza..... | | 8 | | | |

Delayed Reports for Week Ended May 27, 1922.

| CALIFORNIA. | | Cases. | KENTUCKY. | | Cases. |
|---|--|--------|---|--|--------|
| Cerebrospinal meningitis: | | | Actinomyces—Shelby County..... | | 1 |
| Los Angeles..... | | 1 | Cerebrospinal meningitis—Jefferson County.... | | 1 |
| San Francisco..... | | 1 | Chicken pox..... | | 1 |
| Diphtheria..... | | 120 | Diphtheria..... | | 13 |
| Influenza..... | | 22 | Influenza..... | | 1 |
| Lethargic encephalitis: | | | Malaria..... | | 1 |
| Berkeley..... | | 1 | Measles: | | |
| Los Angeles..... | | 2 | Fayette County..... | | 10 |
| San Francisco..... | | 1 | Pendleton County..... | | 13 |
| Measles..... | | 45 | Scattering..... | | 11 |
| Scarlet fever..... | | 113 | Pneumonia..... | | 6 |
| Smallpox..... | | 30 | Scarlet fever..... | | 4 |
| Typhoid fever..... | | 9 | Smallpox..... | | 6 |
| DELAWARE. | | | Trachoma..... | | 1 |
| Cerebrospinal meningitis—Greenwood..... | | 1 | Tuberculosis: | | |
| Chicken pox..... | | 9 | Jefferson County..... | | 28 |
| Scarlet fever: | | | Scattering..... | | 3 |
| Wilmington..... | | 11 | Typhoid fever..... | | 10 |
| Scattering..... | | 2 | Whooping cough..... | | 3 |
| Tuberculosis..... | | 11 | MAINE. | | |
| Typhoid fever..... | | 4 | Cerebrospinal meningitis..... | | 1 |
| DISTRICT OF COLUMBIA. | | | Chicken pox..... | | 15 |
| Chicken pox..... | | 30 | Diphtheria..... | | 3 |
| Diphtheria..... | | 9 | Influenza..... | | 1 |
| Measles..... | | 33 | Lethargic encephalitis..... | | 1 |
| Scarlet fever..... | | 4 | Measles..... | | 13 |
| Smallpox..... | | 8 | Pneumonia..... | | 7 |
| Tuberculosis..... | | 35 | Scarlet fever..... | | 35 |
| Typhoid fever..... | | 21 | Tuberculosis..... | | 12 |
| Whooping cough..... | | 11 | Typhoid fever..... | | 2 |
| | | | Whooping cough..... | | 13 |

| MINNESOTA. | Cases. | MISSOURI—continued. | Cases. |
|-------------------------------|--------|---------------------------------------|--------|
| Cerebrospinal meningitis..... | 1 | Pneumonia..... | 14 |
| Chicken pox..... | 13 | Scarlet fever..... | 13 |
| Diphtheria..... | 68 | Smallpox..... | 6 |
| Influenza..... | 2 | Tuberculosis..... | 8 |
| Measles..... | 116 | Typhoid fever..... | 5 |
| Pneumonia..... | 5 | Whooping cough..... | 17 |
| Scarlet fever..... | 90 | | |
| Smallpox..... | 22 | WYOMING. | |
| Tuberculosis..... | 90 | Chicken pox..... | 1 |
| Typhoid fever..... | 6 | Influenza..... | 4 |
| Whooping cough..... | 3 | Measles..... | 2 |
| | | Mumps..... | 1 |
| | | Pneumonia..... | 1 |
| | | Rocky Mountain spotted or tick fever: | |
| | | Carbon..... | 1 |
| | | Fremont..... | 1 |
| | | Natrona County..... | 1 |
| | | Trachoma..... | 1 |
| | | Tuberculosis..... | 4 |
| | | Typhoid fever..... | 4 |
| | | Whooping cough..... | 4 |

MISSOURI.

| | |
|-------------------------------|----|
| Cerebrospinal meningitis..... | 2 |
| Chicken pox..... | 17 |
| Diphtheria..... | 11 |
| Epidemic sore throat..... | 2 |
| Influenza..... | 2 |
| Measles..... | 33 |
| Mumps..... | 7 |

SUMMARY OF CASES REPORTED MONTHLY BY STATES.

The following summary of monthly State reports is published weekly and covers only those States from which reports are received during the current week:

| State. | Cerebrospinal meningitis. | Diphtheria. | Influenza. | Malaria. | Measles. | Pellagra. | Poliomylclitis. | Scarlet fever. | Smallpox. | Typhoid fever. |
|---------------------------|---------------------------|-------------|------------|----------|----------|-----------|-----------------|----------------|-----------|----------------|
| 1922. | | | | | | | | | | |
| Colorado (April)..... | | 130 | 62 | | 31 | | | 102 | 76 | 7 |
| Montana (March)..... | 2 | 48 | 1,410 | | 7 | | | 81 | 83 | 7 |
| Montana (April)..... | | 55 | 14 | | 5 | | | 28 | 53 | 5 |
| Ohio (April)..... | 9 | 571 | 181 | | 3,268 | | 2 | 727 | 300 | 45 |
| Oklahoma (April)..... | | 14 | 72 | 1 | 5 | 1 | | 10 | 175 | 3 |
| Pennsylvania (March)..... | 8 | 1,280 | | | 2,360 | | | 2,125 | 7 | 81 |
| Vermont (April)..... | | 22 | 14 | | 68 | | | 146 | | 2 |
| Wyoming (April)..... | | 6 | 118 | | 4 | | | 10 | 20 | 6 |

CITY REPORTS FOR WEEK ENDED MAY 20, 1922.

ANTHRAX.

| City. | Cases. | Deaths. |
|--------------|--------|---------|
| Connecticut: | | |
| Meriden..... | 1 | |

CITY REPORTS FOR WEEK ENDED MAY 20, 1922—Continued.

CEREBROSPINAL MENINGITIS.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1921, inclusive. In instances in which data for the full seven years are incomplete, the median is that for the number of years for which information is available.

| City. | Median for pre- vious years. | Week ended May 20, 1922. | | City. | Median for pre- vious years. | Week ended May 20, 1922. | |
|------------------|---------------------------------------|-----------------------------|---------|-------------------|---------------------------------------|-----------------------------|---------|
| | | Cases. | Deaths. | | | Cases. | Deaths. |
| California: | | | | Michigan: | | | |
| Los Angeles..... | 1 | 1 | 1 | Hamtramck..... | 2 | 1 | 1 |
| Illinois: | | | | Missouri: | | | |
| Chicago..... | 5 | 1 | 2 | Kansas City..... | 1 | 2 | 1 |
| Oak Park..... | | 1 | 1 | Springfield..... | 0 | | 1 |
| Rockford..... | | | 1 | New York: | | | |
| Indiana: | | | | Buffalo..... | 0 | 1 | |
| Fort Wayne..... | 0 | 1 | | New York..... | 8 | 5 | 3 |
| Iowa: | | | | Poughkeepsie..... | 0 | | 1 |
| Sioux City..... | 0 | 1 | | Yonkers..... | 0 | 1 | |
| Maryland: | | | | Ohio: | | | |
| Cumberland..... | 0 | 1 | | Cincinnati..... | 0 | 1 | 1 |
| Massachusetts: | | | | Wisconsin: | | | |
| Boston..... | 1 | 1 | 1 | Milwaukee..... | 2 | 3 | |
| Lowell..... | 0 | 1 | | | | | |
| Springfield..... | 0 | 1 | 1 | | | | |

DIPHTHERIA.

See p. 1433; also Telegraphic weekly reports from States, p. 1422, and Monthly summaries by States, p. 1426.

INFLUENZA.

| City. | Cases. | | Deaths, week ended May 20, 1922. | City. | Cases. | | Deaths, week ended May 20, 1922. |
|--------------------|-----------------------------------|-----------------------------------|--|-------------------|-----------------------------------|-----------------------------------|--|
| | Week ended May 21, 1921. | Week ended May 20, 1922. | | | Week ended May 21, 1921. | Week ended May 20, 1922. | |
| California: | | | | Michigan: | | | |
| Los Angeles..... | | 10 | 1 | Detroit..... | 3 | | |
| Sacramento..... | 3 | | 1 | Muskegon..... | | 1 | 2 |
| San Diego..... | | 2 | 2 | Minnesota: | | | |
| San Francisco..... | 10 | | | Minneapolis..... | | | 1 |
| Colorado: | | | | Missouri: | | | |
| Denver..... | | | 1 | Independence..... | | | 1 |
| Connecticut: | | | | Kansas City..... | 1 | 1 | |
| Bridgeport..... | | | 1 | Nebraska: | | | |
| Hartford..... | 1 | | | Lincoln..... | | | 1 |
| Meriden..... | 1 | | | New Jersey: | | | |
| New Haven..... | | | 1 | East Orange..... | | 1 | 1 |
| Florida: | | | | Newark..... | | 7 | |
| Tampa..... | | 1 | | Trenton..... | 2 | | |
| Georgia: | | | | New York: | | | |
| Atlanta..... | | | 1 | Albany..... | 2 | 1 | |
| Illinois: | | | | Auburn..... | | 1 | |
| Chicago..... | 14 | 10 | 2 | New York..... | 17 | 19 | 5 |
| Louisiana: | | | | Rochester..... | | | 1 |
| New Orleans..... | 1 | | | Troy..... | | | 1 |
| Maryland: | | | | Yonkers..... | 1 | | |
| Baltimore..... | 2 | 1 | | Ohio: | | | |
| Massachusetts: | | | | Cincinnati..... | | | 1 |
| Boston..... | 2 | 2 | | Cleveland..... | | 1 | |
| Chelsea..... | | 1 | 1 | Toledo..... | | | 1 |
| Clinton..... | | 1 | 1 | Oregon: | | | |
| Everett..... | 1 | 1 | | Portland..... | | | 1 |
| Haverhill..... | 1 | 2 | | Pennsylvania: | | | |
| Lynn..... | 1 | | | Philadelphia..... | 2 | 1 | |
| Saugus..... | 3 | | | Texas: | | | |
| Somerville..... | 1 | | | Dallas..... | | | 1 |
| | | | | Wisconsin: | | | |
| | | | | Milwaukee..... | | 1 | |

CITY REPORTS FOR WEEK ENDED MAY 20, 1922—Continued.

LEPROSY.

| City. | Cases. | Deaths. |
|------------|--------|---------|
| Florida: | | |
| Tampa..... | 1 | ..... |

LETHARGIC ENCEPHALITIS.

| City. | Cases. | Deaths. | City. | Cases. | Deaths. |
|----------------|--------|---------|---------------|--------|---------|
| Alabama: | | | Nebraska: | | |
| Mobile..... | | 1 | Omaha..... | | 1 |
| Massachusetts: | | | Oregon: | | |
| Chelsea..... | 1 | ..... | Portland..... | 1 | ..... |

MALARIA.

| | | | | | |
|------------------|---|-------|---------------|---|-------|
| Arkansas: | | | New Jersey: | | |
| Little Rock..... | 2 | ..... | Newark..... | 1 | ..... |
| Georgia: | | | New York: | | |
| Atlanta..... | 2 | ..... | New York..... | 1 | ..... |
| Brunswick..... | 1 | ..... | Tennessee: | | |
| Savannah..... | 1 | ..... | Memphis..... | 4 | ..... |
| Kentucky: | | | Texas: | | |
| Louisville..... | 1 | ..... | Dallas..... | 2 | ..... |
| Owensboro..... | 2 | ..... |  |  |  |
| Louisiana: | | | | | |
| New Orleans..... | 1 | ..... |  |  |  |

MEASLES.

See p. 1433; also Telegraphic weekly reports from States, p. 1422, and Monthly summaries by States, p. 1426.

PELLAGRA.

| City. | Cases. | Deaths. | City. | Cases. | Deaths. |
|-----------------------|--------|---------|--------------------|--------|---------|
| Alabama: | | | North Carolina: | | |
| Birmingham..... | 1 | ..... | Winston-Salem..... | 1 | ..... |
| Mobile..... | | 2 | Tennessee: | | |
| California: | | | Nashville..... | 1 | ..... |
| Riverside..... | | 1 | Texas: | | |
| District of Columbia: | | | Dallas..... | 1 | 1 |
| Washington..... | 1 | ..... | Virginia: | | |
| Louisiana: | | | Norfolk..... | | 1 |
| New Orleans..... | 1 | ..... | Petersburg..... | 1 | ..... |

PNEUMONIA (ALL FORMS).

| | | | | | |
|------------------------|----|-------|------------------------|-----|-------|
| Alabama: | | | Connecticut—Continued. | | |
| Birmingham..... | | 5 | Greenwich..... | 1 | ..... |
| Montgomery..... | | 2 | Hartford..... | | 2 |
| Arkansas: | | | Meriden..... | 1 | ..... |
| Fort Smith..... | | 1 | New Haven..... | | 6 |
| Little Rock..... | 1 | ..... | New London..... | 1 | ..... |
| North Little Rock..... | 28 | 8 | Delaware: | | |
| California: | | | Wilmington..... | | 3 |
| Eureka..... | | 1 | District of Columbia: | | |
| Oakland..... | 8 | 7 | Washington..... | | 10 |
| Pasadena..... | 2 | 1 | Georgia: | | |
| Riverside..... | | 1 | Atlanta..... | | 3 |
| Sacramento..... | | 2 | Brunswick..... | 1 | ..... |
| San Bernardino..... | | 1 | Savannah..... | | 1 |
| San Diego..... | | 5 | Illinois: | | |
| San Francisco..... | 6 | 3 | Alton..... | | 1 |
| Santa Ana..... | 1 | ..... | Aurora..... | 2 | 1 |
| Stockton..... | | 3 | Blue Island..... | | 1 |
| Colorado: | | | Chicago..... | 203 | 67 |
| Denver..... | | 4 | Decatur..... | | 3 |
| Connecticut: | | | East St. Louis..... | | 2 |
| Bridgeport..... | | 2 | Kewanee..... | 2 | ..... |
| Bristol..... | | 1 | Oak Park..... | 3 | 1 |
| Fairfield..... | | 1 | Pekin..... | 1 | ..... |

CITY REPORTS FOR WEEK ENDED MAY 20, 1922—Continued.

PNEUMONIA (ALL FORMS)—Continued.

| City. | Cases. | Deaths. | City. | Cases. | Deaths. |
|---------------------|--------|---------|-----------------------|--------|---------|
| Illinois—Continued. | | | Missouri: | | |
| Peoria..... | | 3 | Jefferson City..... | | 1 |
| Quincy..... | | 3 | Kansas City..... | 17 | 14 |
| Rockford..... | | 4 | St. Joseph..... | | 1 |
| Springfield..... | 6 | 2 | Springfield..... | | 1 |
| Indiana: | | | Montana: | | |
| Anderson..... | | 1 | Anaconda..... | | 1 |
| Crawfordsville..... | | 1 | Billings..... | | 1 |
| East Chicago..... | | 4 | Butte..... | | 1 |
| Fort Wayne..... | | 1 | Great Falls..... | | 2 |
| Indianapolis..... | | 6 | Missoula..... | | 1 |
| Mishawaka..... | | 1 | Nebraska: | | |
| South Bend..... | | 1 | Omaha..... | | 4 |
| Iowa: | | | New Hampshire: | | |
| Burlington..... | 4 | 3 | Keene..... | | 1 |
| Kansas: | | | Nashua..... | | 1 |
| Kansas City..... | 5 | | New Jersey: | | |
| Lawrence..... | | 1 | Atlantic City..... | 3 | |
| Topeka..... | 2 | 1 | Belleville..... | 3 | |
| Wichita..... | | 4 | Bloomfield..... | 2 | |
| Kentucky: | | | East Orange..... | 3 | |
| Lexington..... | | 1 | Elizabeth..... | | 1 |
| Louisville..... | | 11 | Englewood..... | 4 | |
| Louisiana: | | | Hackensack..... | | 1 |
| New Orleans..... | | 7 | Harrison..... | 1 | |
| Maine: | | | Hoboken..... | | 4 |
| Bangor..... | 2 | | Jersey City..... | 4 | |
| Lewiston..... | 1 | | Newark..... | 45 | 12 |
| Portland..... | | 3 | Orange..... | 8 | 1 |
| Maryland: | | | Pascale..... | | 2 |
| Baltimore..... | 28 | 21 | Paterson..... | 7 | |
| Cumberland..... | 1 | | Plainfield..... | 3 | 1 |
| Massachusetts: | | | Trenton..... | 8 | 3 |
| Amesbury..... | 1 | | West Hoboken..... | 1 | |
| Arlington..... | 1 | | West New York..... | | 1 |
| Beverly..... | 1 | | West Orange..... | 1 | |
| Boston..... | | 28 | New Mexico: | | |
| Braintree..... | 1 | | Albuquerque..... | | 1 |
| Brookton..... | 1 | | New York: | | |
| Brookline..... | | 1 | Albany..... | 12 | |
| Cambridge..... | 7 | 3 | Auburn..... | 5 | 1 |
| Chelsea..... | 4 | | Buffalo..... | | 11 |
| Clinton..... | 1 | | Cohoes..... | | 1 |
| Everett..... | 2 | 1 | Glens Falls..... | | 2 |
| Fall River..... | | 1 | Hornell..... | | 1 |
| Framingham..... | | 2 | Hudson..... | 1 | |
| Gardner..... | 1 | | Ithaca..... | 2 | |
| Haverhill..... | 1 | | Jamestown..... | 1 | |
| Holyoke..... | 5 | | Lackawanna..... | 1 | |
| Lowell..... | 1 | | Mount Vernon..... | 6 | |
| Lynn..... | 3 | 2 | Newburgh..... | 3 | 2 |
| Malden..... | 1 | | New York..... | 399 | 197 |
| Methuen..... | 1 | | Niagara Falls..... | 3 | 1 |
| New Bedford..... | 2 | | North Tonawanda..... | | 2 |
| Newton..... | 2 | | Port Chester..... | 1 | |
| Pittsfield..... | 3 | | Poughkeepsie..... | 3 | 2 |
| Somerville..... | 2 | | Rochester..... | 13 | 8 |
| Southbridge..... | | 1 | Rome..... | 5 | 1 |
| Springfield..... | 6 | | Saratoga Springs..... | 2 | 1 |
| Taunton..... | | 1 | Schenectady..... | | 1 |
| Wakefield..... | 1 | | Syracuse..... | | 3 |
| Waltham..... | 1 | | Troy..... | | 3 |
| Watertown..... | 1 | | Watertown..... | | 1 |
| Webster..... | 1 | | Yonkers..... | 4 | 1 |
| Worcester..... | 9 | 7 | North Carolina: | | |
| Michigan: | | | Charlotte..... | | 1 |
| Ann Arbor..... | | 3 | Wilmington..... | | 3 |
| Battle Creek..... | 1 | | Winston-Salem..... | | 1 |
| Detroit..... | 65 | 18 | Ohio: | | |
| Flint..... | 4 | 2 | Cambridge..... | | 1 |
| Grand Rapids..... | 5 | 1 | Canton..... | | 2 |
| Hamtramck..... | 1 | | Cincinnati..... | | 5 |
| Kalamazoo..... | | 1 | Cleveland..... | 49 | |
| Muskegon..... | 3 | | Columbus..... | | 5 |
| Pontiac..... | 3 | | Dayton..... | 2 | |
| Port Huron..... | 2 | | East Cleveland..... | | 1 |
| Minnesota: | | | Fremont..... | 1 | |
| Duluth..... | 4 | 1 | Mansfield..... | | 1 |
| Minneapolis..... | | 8 | Salem..... | | 1 |
| St. Paul..... | | 4 | Sandusky..... | 1 | |

CITY REPORTS FOR WEEK ENDED MAY 20, 1922—Continued.

PNEUMONIA (ALL FORMS)—Continued.

| City. | Cases. | Deaths. | City. | Cases. | Deaths. |
|-------------------|--------|---------|---------------------|--------|---------|
| Ohio—Continued. | | | Texas—Continued. | | |
| Steuenville..... | 2 | 5 | Fort Worth..... | | 3 |
| Toledo..... | | 1 | Galveston..... | | 1 |
| Zanesville..... | | 1 | Houston..... | | 1 |
| Oklahoma: | | | Waco..... | | 1 |
| Oklahoma..... | | 1 | Utah: | | |
| Oregon: | | | Salt Lake City..... | | 1 |
| Portland..... | | 9 | Virginia: | | |
| Pennsylvania: | | | Petersburg..... | | 2 |
| Philadelphia..... | 61 | 39 | Richmond..... | | 2 |
| Rhode Island: | | | Rosnoke..... | 2 | |
| Pawtucket..... | | 4 | West Virginia: | | |
| Providence..... | | 5 | Charleston..... | | 3 |
| South Carolina: | | | Clarksburg..... | | 1 |
| Charleston..... | | 2 | Huntington..... | | 2 |
| Tennessee: | | | Wisconsin: | | |
| Memphis..... | | 5 | Fond du Lac..... | | 1 |
| Nashville..... | | 3 | Milwaukee..... | 16 | |
| Texas: | | | Oshkosh..... | | |
| Dallas..... | 1 | 2 | Racine..... | | |
| El Paso..... | | | | | |

POLIOMYELITIS (INFANTILE PARALYSIS).

| City. | Median for years 1915 to 1921, in- clusive. | Week ended May 20, 1922. | |
|---------------|---|-----------------------------|---------|
| | | Cases. | Deaths. |
| New Jersey: | | | |
| Trenton..... | 0 | | 1 |
| New York: | | | |
| New York..... | 0 | 1 | 1 |
| Wyoming: | | | |
| Cheyenne..... | | 1 | |

RABIES IN ANIMALS.

| City. | Cases. | City. | Cases. |
|------------------|--------|------------------|--------|
| California: | | Kentucky: | |
| Los Angeles..... | 3 | Louisville..... | 1 |
| Riverside..... | 1 | Missouri: | |
| Georgia: | | Kansas City..... | 2 |
| Albany..... | 1 | New Jersey: | |
| | | West Orange..... | 1 |

SCARLET FEVER.

See p. 1433; also Telegraphic weekly reports from States, p. 1422, and Monthly summaries by States, p. 1426.

CITY REPORTS FOR WEEK ENDED MAY 20, 1922—Continued.

SMALLPOX.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1921, inclusive. In instances in which data for the full seven years are incomplete, the median is that for the number of years for which information is available.

| City. | Median for previous years. | Week ended May 20, 1922. | | City. | Median for previous years. | Week ended May 20, 1922. | |
|---------------------|----------------------------|--------------------------|---------|-----------------------|----------------------------|--------------------------|---------|
| | | Cases. | Deaths. | | | Cases. | Deaths. |
| California: | | | | Montana: | | | |
| Los Angeles..... | 1 | 2 | ..... | Great Falls..... | 2 | 5 | ..... |
| San Diego..... | 0 | 1 | ..... | Nebraska: | | | |
| San Francisco..... | 3 | 3 | ..... | Lincoln..... | 3 | 1 | 1 |
| Stockton..... | 0 | 3 | ..... | New York: | | | |
| Colorado: | | | | Niagara Falls..... | 0 | 4 | ..... |
| Denver..... | 30 | 8 | 1 | North Carolina: | | | |
| Connecticut: | | | | Durham..... | 0 | 1 | ..... |
| Bridgeport..... | 0 | 3 | ..... | North Dakota: | | | |
| New London..... | 0 | 7 | ..... | Grand Forks..... | 0 | 8 | ..... |
| Georgia: | | | | Ohio: | | | |
| Atlanta..... | 5 | 10 | ..... | Canton..... | 0 | 1 | ..... |
| Savannah..... | 0 | 5 | ..... | Columbus..... | 1 | 1 | ..... |
| Illinois: | | | | Dayton..... | 1 | 1 | ..... |
| Chicago..... | 2 | 2 | ..... | New Philadelphia..... | 0 | 2 | ..... |
| Pekin..... | 4 | 1 | ..... | Sandusky..... | 0 | 1 | ..... |
| Peoria..... | 3 | 3 | ..... | Springfield..... | 0 | 5 | ..... |
| Indiana: | | | | Oklahoma: | | | |
| Fort Wayne..... | 0 | 5 | ..... | Oklahoma..... | 2 | 1 | ..... |
| Indianapolis..... | 20 | 1 | ..... | Tulsa..... | 4 | 1 | ..... |
| Iowa: | | | | Oregon: | | | |
| Council Bluffs..... | 3 | 3 | ..... | Portland..... | 10 | 10 | ..... |
| Mason City..... | 4 | 1 | ..... | South Carolina: | | | |
| Waterloo..... | 3 | 1 | ..... | Columbia..... | 0 | 1 | ..... |
| Kansas: | | | | South Dakota: | | | |
| Coffeyville..... | 0 | 1 | ..... | Sioux Falls..... | 1 | 4 | ..... |
| Hutchinson..... | 0 | 1 | ..... | Tennessee: | | | |
| Kansas City..... | 5 | 2 | ..... | Memphis..... | 8 | 1 | ..... |
| Kentucky: | | | | Texas: | | | |
| Louisville..... | 2 | 1 | ..... | Beaumont..... | 0 | 1 | ..... |
| Michigan: | | | | Virginia: | | | |
| Detroit..... | 12 | 1 | ..... | Richmond..... | 0 | 1 | ..... |
| Flint..... | 2 | 3 | ..... | West Virginia: | | | |
| Grand Rapids..... | 1 | 10 | ..... | Martinsburg..... | 0 | 1 | ..... |
| Ironwood..... | 1 | 1 | ..... | Wisconsin: | | | |
| Pontiac..... | 2 | 1 | ..... | Ashland..... | ..... | 2 | ..... |
| Minnesota: | | | | Milwaukee..... | 1 | 1 | ..... |
| Minneapolis..... | 26 | 6 | ..... | Racine..... | 0 | 1 | ..... |
| St. Paul..... | 8 | 12 | ..... | Superior..... | 1 | 6 | ..... |
| Missouri: | | | | Wausau..... | 0 | 3 | ..... |
| Kansas City..... | 14 | 7 | 3 | | | | |

TETANUS.

| City. | Cases. | Deaths. | City. | Cases. | Deaths. |
|-----------------|--------|---------|----------------|--------|---------|
| Alabama: | | | Missouri: | | |
| Birmingham..... | ..... | 1 | St. Louis..... | 1 | ..... |
| Mobile..... | ..... | 1 | New York: | | |
| California: | | | Buffalo..... | 1 | ..... |
| Riverside..... | 1 | 1 | New York..... | 1 | ..... |
| Maryland: | | | Syracuse..... | ..... | 1 |
| Baltimore..... | 2 | ..... |  |  |  |

TUBERCULOSIS.

See p. 1433; also Telegraphic weekly reports from States, p. 1422.

CITY REPORTS FOR WEEK ENDED MAY 20, 1922—Continued.

TYPHOID FEVER.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1921, inclusive. In instances in which data for the full seven years are incomplete, the median is that for the number of years for which information is available.

| City. | Median for previous years. | Week ended May 20, 1922. | | City. | Median for previous years. | Week ended May 20, 1922. | |
|-----------------------|----------------------------|--------------------------|---------|--------------------|----------------------------|--------------------------|---------|
| | | Cases. | Deaths. | | | Cases. | Deaths. |
| Alabama: | | | | Minnesota: | | | |
| Birmingham..... | 2 | 6 | 1 | Rochester..... | 0 | 3 | ..... |
| Montgomery..... | 0 | 1 | ..... | Missouri: | | | |
| Arkansas: | | | | Kansas City..... | 1 | 1 | ..... |
| Little Rock..... | 0 | 1 | ..... | St. Louis..... | 1 | 2 | ..... |
| California: | | | | Montana: | | | |
| Los Angeles..... | 2 | 5 | 1 | Billings..... | 0 | ..... | 1 |
| Richmond..... | 0 | 1 | ..... | New Jersey: | | | |
| Sacramento..... | 0 | 1 | ..... | Hoboken..... | 0 | 1 | 1 |
| San Francisco..... | 2 | 1 | ..... | Newark..... | 0 | 2 | ..... |
| Santa Ana..... | 0 | 1 | ..... | Plainfield..... | 0 | ..... | 1 |
| Stockton..... | 0 | 3 | ..... | New York: | | | |
| District of Columbia: | | | | Buffalo..... | 1 | 1 | 1 |
| Washington..... | 2 | 6 | 1 | Jamestown..... | 0 | 1 | ..... |
| Florida: | | | | Newburgh..... | 0 | 1 | 1 |
| Tampa..... | ..... | 1 | 1 | New York..... | 17 | 11 | 1 |
| Georgia: | | | | North Carolina: | | | |
| Rome..... | 0 | 2 | ..... | Durham..... | 0 | 1 | ..... |
| Savannah..... | 2 | 3 | ..... | Ohio: | | | |
| Valdosta..... | ..... | 1 | ..... | Cincinnati..... | 1 | 1 | ..... |
| Illinois: | | | | Cleveland..... | 2 | 2 | ..... |
| Chicago..... | 3 | 5 | ..... | Kenmore..... | 0 | 1 | ..... |
| Kewanee..... | 0 | 2 | ..... | Martins Ferry..... | 0 | 1 | ..... |
| Peoria..... | 0 | ..... | 1 | Steubenville..... | 0 | 1 | ..... |
| Rockford..... | 0 | 1 | ..... | Oklahoma: | | | |
| Springfield..... | 0 | 1 | ..... | Tulsa..... | 0 | 1 | ..... |
| Indiana: | | | | Oregon: | | | |
| Indianapolis..... | 1 | 1 | ..... | Portland..... | 1 | 2 | ..... |
| Iowa: | | | | South Carolina: | | | |
| Davenport..... | 0 | 1 | ..... | Charleston..... | 1 | ..... | 1 |
| Kentucky: | | | | Columbia..... | 1 | 1 | ..... |
| Covington..... | 1 | 3 | ..... | Greenville..... | 0 | 3 | ..... |
| Louisville..... | 2 | 1 | ..... | Tennessee: | | | |
| Owensboro..... | ..... | 1 | ..... | Memphis..... | 1 | 5 | ..... |
| Louisiana: | | | | Nashville..... | 1 | 4 | 2 |
| New Orleans..... | 4 | 5 | 1 | Texas: | | | |
| Maine: | | | | Dallas..... | 0 | 1 | ..... |
| Bangor..... | 0 | 2 | ..... | Galveston..... | 1 | 1 | ..... |
| Maryland: | | | | Virginia: | | | |
| Baltimore..... | 6 | 3 | ..... | Alexandria..... | 2 | 1 | ..... |
| Massachusetts: | | | | Norfolk..... | 0 | 1 | ..... |
| Boston..... | 3 | 1 | ..... | Petersburg..... | 1 | 1 | ..... |
| Danvers..... | 0 | ..... | 1 | Roanoke..... | 0 | 1 | ..... |
| Lawrence..... | 0 | 1 | ..... | West Virginia: | | | |
| Malden..... | 0 | 1 | ..... | Huntington..... | 0 | 1 | ..... |
| Newton..... | 1 | 2 | ..... | Wisconsin: | | | |
| Michigan: | | | | Superior..... | 0 | 2 | ..... |
| Detroit..... | 5 | 2 | ..... |  |  |  |  |
| Flint..... | 2 | 1 | ..... |  |  |  |  |
| Grand Rapids..... | 1 | 4 | ..... |  |  |  |  |

CITY REPORTS FOR WEEK ENDED MAY 20, 1922—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS.

| City. | Population January 1, 1920, subject to correction. | Total deaths from all causes. | Diphtheria. | | Measles. | | Scarlet fever. | | Tuber- culosis. | |
|------------------------|--|---|-------------|---------|----------|---------|-------------------|---------|--------------------|---------|
| | | | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. |
| Alabama: | | | | | | | | | | |
| Birmingham..... | 178,270 | 62 | 1 | ..... | 3 | ..... | ..... | ..... | 7 | 4 |
| Mobile..... | 60,151 | 20 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | 1 |
| Montgomery..... | 43,464 | 11 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2 |
| Arkansas: | | | | | | | | | | |
| Fort Smith..... | 28,811 | 7 | 2 | ..... | ..... | ..... | 1 | ..... | ..... | 1 |
| Hot Springs..... | 11,695 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Little Rock..... | 64,997 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 | ..... |
| North Little Rock..... | 14,048 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| California: | | | | | | | | | | |
| Alameda..... | 28,806 | 6 | 2 | 1 | ..... | ..... | 4 | ..... | ..... | ..... |
| Eureka..... | 12,923 | 8 | 1 | ..... | 2 | ..... | ..... | ..... | ..... | ..... |
| Long Beach..... | 55,593 | 20 | 3 | ..... | ..... | ..... | 1 | ..... | 1 | 1 |
| Los Angeles..... | 576,673 | 165 | 37 | 2 | 3 | ..... | 36 | ..... | 77 | 24 |
| Oakland..... | 216,361 | 58 | 11 | ..... | 1 | ..... | 16 | ..... | 6 | 1 |
| Pasadena..... | 45,354 | 8 | 4 | ..... | ..... | ..... | 4 | ..... | ..... | ..... |
| Richmond..... | 16,843 | 4 | 1 | ..... | ..... | ..... | ..... | ..... | 1 | ..... |
| Riverside..... | 19,341 | 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 |
| Sacramento..... | 65,857 | 23 | 4 | ..... | ..... | ..... | 1 | ..... | 8 | 2 |
| San Bernardino..... | 18,721 | 9 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| San Diego..... | 74,683 | 38 | ..... | ..... | 4 | ..... | 2 | ..... | 9 | 5 |
| San Francisco..... | 508,410 | 122 | 27 | 3 | 11 | ..... | 7 | ..... | 35 | 10 |
| Santa Ana..... | 15,485 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Santa Barbara..... | 19,441 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Stockton..... | 40,296 | 12 | ..... | ..... | ..... | ..... | ..... | ..... | 1 | 4 |
| Vallejo..... | 21,107 | 2 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Colorado: | 256,369 | 83 | 12 | 3 | ..... | ..... | 11 | ..... | ..... | 10 |
| Denver..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Connecticut: | | | | | | | | | | |
| Bridgeport..... | 143,538 | 33 | 3 | ..... | 20 | ..... | 9 | ..... | 4 | 7 |
| Bristol..... | 20,620 | 3 | ..... | ..... | 3 | ..... | ..... | ..... | ..... | ..... |
| Derby..... | 11,238 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Fairfield (town)..... | 11,475 | 1 | ..... | ..... | 1 | ..... | ..... | ..... | ..... | ..... |
| Greenwich (town)..... | 22,123 | ..... | 1 | ..... | 2 | ..... | ..... | ..... | 1 | ..... |
| Hartford..... | 138,036 | 26 | 6 | ..... | 85 | ..... | 4 | ..... | 3 | 1 |
| Manchester (town)..... | 18,370 | 2 | ..... | ..... | ..... | ..... | 3 | ..... | ..... | ..... |
| Meriden (city)..... | 29,842 | ..... | 2 | ..... | 1 | ..... | ..... | ..... | 1 | ..... |
| Milford (town)..... | 10,193 | 1 | 1 | ..... | 4 | ..... | ..... | ..... | ..... | ..... |
| New Haven..... | 162,519 | 40 | 4 | 1 | 106 | ..... | 3 | ..... | 5 | 1 |
| New London..... | 25,688 | 3 | 1 | ..... | 4 | ..... | 1 | ..... | 1 | ..... |
| Delaware: | | | | | | | | | | |
| Wilmington..... | 110,168 | 20 | ..... | ..... | ..... | ..... | 13 | ..... | ..... | 1 |
| District of Columbia: | | | | | | | | | | |
| Washington..... | 437,571 | 102 | 13 | 2 | 23 | ..... | 5 | ..... | 30 | 11 |
| Florida: | | | | | | | | | | |
| Tampa..... | 51,252 | 14 | 2 | ..... | 1 | ..... | ..... | ..... | ..... | ..... |
| Georgia: | | | | | | | | | | |
| Albany..... | 11,555 | ..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Atlanta..... | 200,616 | 60 | ..... | 2 | ..... | ..... | 1 | ..... | 1 | 5 |
| Brunswick..... | 14,413 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | 3 | ..... |
| Macon..... | 52,995 | ..... | 1 | ..... | 5 | ..... | ..... | ..... | ..... | ..... |
| Rome..... | 13,232 | ..... | 1 | ..... | ..... | ..... | 5 | ..... | ..... | ..... |
| Savannah..... | 83,252 | 26 | ..... | ..... | ..... | ..... | 2 | ..... | 3 | 2 |
| Valdosta..... | 10,783 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Idaho: | | | | | | | | | | |
| Boise..... | 21,303 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Illinois: | | | | | | | | | | |
| Alton..... | 24,682 | 4 | ..... | ..... | 2 | ..... | ..... | ..... | ..... | ..... |
| Aurora..... | 36,397 | 15 | 2 | ..... | 19 | ..... | 2 | ..... | 3 | 1 |
| Bloomington..... | 28,725 | 5 | 1 | ..... | ..... | ..... | ..... | ..... | 3 | ..... |
| Blue Island..... | 11,424 | 6 | ..... | ..... | 2 | ..... | ..... | ..... | ..... | ..... |
| Centralia..... | 12,491 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Chicago..... | 2,701,705 | 613 | 113 | 15 | 544 | 3 | 76 | 5 | 207 | 35 |
| Cicero..... | 44,995 | 8 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | 1 |
| Decatur..... | 43,818 | 6 | ..... | ..... | ..... | ..... | 1 | ..... | ..... | ..... |
| East St. Louis..... | 66,740 | 15 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | 4 |
| Elgin..... | 27,454 | ..... | ..... | ..... | 2 | ..... | 1 | ..... | 1 | ..... |
| Evanston..... | 37,215 | ..... | 1 | ..... | 3 | ..... | ..... | ..... | 1 | ..... |
| Freeport..... | 19,669 | ..... | ..... | ..... | ..... | ..... | 2 | ..... | 3 | ..... |
| Galesburg..... | 23,834 | ..... | 3 | ..... | ..... | ..... | ..... | ..... | 2 | ..... |
| Kewanee..... | 16,026 | 3 | ..... | ..... | 1 | ..... | ..... | ..... | ..... | ..... |
| La Salle..... | 13,050 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Mattoon..... | 13,552 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Oak Park..... | 39,830 | 13 | 1 | 1 | 12 | ..... | ..... | ..... | 1 | ..... |

CITY REPORTS FOR WEEK ENDED MAY 20, 1922—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

| City. | Population January 1, 1920, subject to correction. | Total deaths from all causes. | Diphtheria. | | Measles. | | Scarlet fever. | | Tuber- culosis. | | |
|---------------------|---|---|-------------|---------|----------|---------|-------------------|---------|--------------------|---------|--|
| | | | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | |
| Illinois—Continued. | | | | | | | | | | | |
| Peoria..... | 76,121 | 23 | 4 | | | | 2 | | | | |
| Quincy..... | 35,978 | 13 | | | 1 | | 1 | | | 3 | |
| Rockford..... | 65,651 | 26 | 5 | | 21 | | 3 | | | 2 | |
| Springfield..... | 59,183 | 21 | | | | | 1 | | 5 | | |
| Indiana: | | | | | | | | | | | |
| Anderson..... | 29,767 | 8 | | | 3 | | | | | 1 | |
| Clinton..... | 10,962 | 7 | | | | | | | | | |
| Crawfordsville..... | 10,139 | 3 | | | | | 2 | | | | |
| East Chicago..... | 35,967 | 17 | 2 | 1 | 1 | | | | | 1 | |
| Fort Wayne..... | 36,549 | 22 | 10 | | | | | | | | |
| Frankfort..... | 11,585 | 0 | | | | | | | | | |
| Gary..... | 55,378 | 9 | 1 | | | | | | | 1 | |
| Hammond..... | 36,004 | 8 | | | 1 | | | | | | |
| Indianapolis..... | 314,194 | 65 | 1 | | 106 | | 7 | | 10 | 11 | |
| Kokomo..... | 30,067 | 4 | | | | | | | 1 | | |
| La Fayette..... | 22,486 | 8 | 1 | | | | | | | 2 | |
| Logansport..... | 21,626 | 5 | | | | | | | | | |
| Mishawaka..... | 15,195 | 3 | 2 | | 1 | | | | 2 | | |
| Muncie..... | 36,624 | 2 | 1 | | | | | | | 1 | |
| South Bend..... | 70,983 | 7 | | | 14 | | | | 6 | | |
| Terra Haute..... | 66,983 | 12 | | | | | | | 1 | | |
| Iowa: | | | | | | | | | | | |
| Burlington..... | 24,057 | 13 | 1 | | | | | | | | |
| Cedar Rapids..... | 45,566 | 1 | 1 | | | | | | | | |
| Clinton..... | 24,151 | | 3 | | | | | | | | |
| Council Bluffs..... | 36,162 | 8 | 2 | | 4 | | 1 | | | 1 | |
| Marshalltown..... | 15,731 | | 1 | | 1 | 1 | 4 | | | | |
| Mason City..... | 20,065 | 4 | 1 | | | | | | | | |
| Muscatine..... | 16,068 | 4 | 1 | | | | | | | | |
| Sioux City..... | 71,227 | 2 | 2 | | | | 2 | | | | |
| Waterloo..... | 36,230 | | 2 | | | | 2 | | | | |
| Kansas: | | | | | | | | | | | |
| Coffeyville..... | 13,452 | 2 | 1 | | | | | | | | |
| Fort Scott..... | 10,693 | 1 | | | | | | | | | |
| Hutchinson..... | 23,298 | | 1 | | | | 1 | | | | |
| Kansas City..... | 101,177 | | 4 | | | | 1 | | | | |
| Lawrence..... | 12,456 | 3 | 4 | | | | 1 | | | | |
| Parsons..... | 16,028 | 5 | | | | | | | | | |
| Salina..... | 15,085 | 6 | | | | | | | | | |
| Topeka..... | 50,022 | 12 | 3 | | | | 3 | | 8 | 2 | |
| Wichita..... | 72,128 | 54 | 2 | | 4 | | 5 | | 3 | 3 | |
| Kentucky: | | | | | | | | | | | |
| Covington..... | 57,121 | 22 | | | 12 | | | | | 1 | |
| Lexington..... | 41,534 | 15 | | | 43 | | | | | 1 | |
| Louisville..... | 234,891 | 60 | 5 | | 3 | | 1 | | 23 | 7 | |
| Owensboro..... | 17,424 | | | | 5 | | | | 3 | | |
| Paducah..... | 24,735 | | | | | | 1 | | | | |
| Louisiana: | | | | | | | | | | | |
| New Orleans..... | 387,219 | 108 | 10 | 1 | | | 2 | | 23 | 14 | |
| Maine: | | | | | | | | | | | |
| Auburn..... | 16,985 | 3 | | | | | 4 | | | | |
| Bath..... | 14,731 | 4 | | | | | | | | | |
| Biddeford..... | 18,008 | 2 | | | | | | | | | |
| Lewiston..... | 31,791 | 9 | | | | | 5 | | 2 | | |
| Portland..... | 69,272 | 29 | | | | | 10 | | | 2 | |
| Maryland: | | | | | | | | | | | |
| Baltimore..... | 733,826 | 212 | 18 | | 238 | 2 | 16 | | 26 | 28 | |
| Cumberland..... | 29,837 | 8 | | | | | | | 2 | | |
| Massachusetts: | | | | | | | | | | | |
| Adams..... | 12,967 | 4 | | | | | | | | 1 | |
| Amesbury..... | 10,036 | 3 | 1 | | | | | | | | |
| Arlington..... | 18,665 | 7 | 1 | | 2 | | 1 | | 2 | 1 | |
| Attleboro..... | 19,731 | 2 | | | | | | | 1 | | |
| Belmont..... | 10,749 | 3 | | | | | 3 | | | | |
| Beverly..... | 22,561 | 7 | 1 | | 1 | | 1 | | | | |
| Boston..... | 748,060 | 198 | 54 | 3 | 236 | 1 | 51 | | 53 | 17 | |
| Braintree..... | 10,580 | 5 | | | | | 2 | | | 3 | |
| Brockton..... | 66,138 | 15 | 4 | | 12 | | 20 | | 1 | 1 | |
| Brookline..... | 37,748 | 7 | 2 | | 39 | | | | 1 | | |
| Cambridge..... | 109,694 | 22 | 2 | | 91 | 2 | 12 | | 5 | 2 | |
| Chelsea..... | 43,184 | 4 | 1 | | 4 | | 4 | | 2 | | |
| Chicopee..... | 36,214 | 3 | 1 | | 10 | | | | | | |

CITY REPORTS FOR WEEK ENDED MAY 20, 1922—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

| City. | Popula- tion Janu- ary 1, 1920, subject to correction. | Total deaths from all causes. | Diphtheria. | | Measles. | | Scarlet fever. | | Tuber- culosis. | |
|--------------------------|--|---|-------------|---------|----------|---------|-------------------|---------|--------------------|---------|
| | | | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. |
| Massachusetts—Continued. | | | | | | | | | | |
| Clinton..... | 12,979 | 4 | | | 1 | | 1 | | | |
| Danvers..... | 11,108 | | | | | | | | | |
| Dedham..... | 10,792 | 3 | | | | | 6 | | | |
| Everett..... | 40,120 | 8 | | | 6 | | 4 | | 7 | |
| Fall River..... | 120,485 | 26 | 2 | | | | 1 | | 1 | |
| Frammingham..... | 17,033 | 5 | | | 2 | | | | | |
| Gardner..... | 16,971 | 6 | | | | | | | | 2 |
| Greenfield..... | 15,462 | 1 | | | 1 | | | | | |
| Haverhill..... | 53,884 | 11 | 2 | 1 | | | 2 | | 2 | |
| Holyoke..... | 60,203 | 16 | 3 | 1 | 13 | | 8 | | 4 | 1 |
| Lawrence..... | 94,270 | 19 | 3 | 1 | 23 | | 2 | | 5 | 4 |
| Leominster..... | 19,744 | 6 | 2 | | | | 4 | | 1 | |
| Lowell..... | 112,479 | 27 | 4 | 1 | 4 | | 4 | | 1 | |
| Lynn..... | 99,148 | 25 | 1 | | 9 | | 11 | | 3 | 2 |
| Malden..... | 49,103 | 10 | | 1 | 4 | | 6 | | 6 | |
| Medford..... | 39,038 | 6 | | | 8 | | 2 | | | |
| Melrose..... | 18,204 | | 1 | | 2 | | | | 2 | 2 |
| Methuen..... | 15,189 | 6 | | | 21 | | 8 | | | |
| New Bedford..... | 121,217 | 20 | 6 | | | | 4 | | 9 | 3 |
| Newburyport..... | 15,618 | 3 | | | 5 | | | | 1 | |
| Newton..... | 46,054 | 12 | | | 30 | | 7 | | 1 | |
| North Adams..... | 22,282 | 5 | | | 2 | | | | 1 | |
| Northampton..... | 21,951 | 4 | | | 4 | | | | 2 | |
| Pittsfield..... | 41,751 | 17 | 1 | 1 | | | 1 | | 3 | 3 |
| Plymouth..... | 13,045 | 10 | | | | | | | | |
| Quincy..... | 47,876 | 16 | | | 72 | | 4 | | 4 | |
| Salem..... | 42,529 | 12 | 5 | | 29 | | 2 | | | 1 |
| Somerville..... | 93,091 | 15 | 2 | | 22 | | 7 | | 2 | |
| Southbridge..... | 14,245 | 4 | | | 1 | | | | | |
| Springfield..... | 129,563 | 19 | 1 | | 42 | 1 | 1 | 1 | 4 | |
| Taunton..... | 37,137 | 18 | | | 1 | | 1 | | | 1 |
| Wakefield..... | 13,025 | 3 | 1 | | 1 | | 1 | | 1 | |
| Waltham..... | 30,915 | 4 | 2 | | 19 | | | | | |
| Watertown..... | 21,457 | 1 | | | 5 | | 1 | | 1 | |
| Webster..... | 13,258 | | | | 5 | | 3 | | | |
| West Springfield..... | 13,443 | 2 | | | | | | | | |
| Westfield..... | 18,604 | 8 | | | 1 | 1 | | | | |
| Weymouth..... | 15,037 | 3 | | | | | | | | |
| Winthrop..... | 15,455 | 2 | | | | | | | | |
| Woburn..... | 16,574 | 4 | | | | | | | | 1 |
| Worcester..... | 179,754 | 45 | 4 | | 5 | | 4 | | 7 | 4 |
| Michigan: | | | | | | | | | | |
| Alpena..... | 11,101 | | 1 | | | | | | | |
| Ann Arbor..... | 19,516 | 7 | 2 | | 5 | | | | 2 | 1 |
| Battle Creek..... | 36,164 | | 5 | | 49 | | | | | |
| Benton Harbor..... | 12,233 | 6 | 2 | | | | 1 | | | |
| Detroit..... | 963,739 | 194 | 47 | 5 | 290 | 4 | 43 | | 50 | 23 |
| Flint..... | 91,599 | 14 | | | 28 | | 3 | 1 | | 1 |
| Grand Rapids..... | 137,634 | 40 | 5 | | 2 | | 2 | | 8 | 2 |
| Hamtramck..... | 48,615 | 2 | 1 | | 4 | 1 | 2 | | 1 | |
| Ironwood..... | 15,739 | 1 | | | | | | 1 | 1 | |
| Kalamazoo..... | 48,858 | 23 | 15 | | | 7 | | | 2 | 1 |
| Marquette..... | 12,718 | 5 | | | | 1 | | | | |
| Muskegon..... | 36,570 | 13 | | | | | | | | 1 |
| Pontiac..... | 34,273 | 6 | | | 25 | | 2 | | | |
| Port Huron..... | 25,944 | 8 | 1 | | 6 | | | | | |
| Sault Ste. Marie..... | 12,096 | 5 | | | | | 2 | | | 1 |
| Minnesota: | | | | | | | | | | |
| Duluth..... | 98,917 | 22 | 2 | | 2 | | 2 | | 3 | 2 |
| Hibbing..... | 15,080 | 5 | 1 | | | | 1 | | | 1 |
| Minneapolis..... | 380,582 | 80 | 17 | | 74 | 1 | 18 | | 17 | 8 |
| Rochester..... | 13,722 | 10 | | | | | 1 | | | |
| St. Paul..... | 234,595 | 52 | 9 | 2 | 55 | | 17 | | 11 | 8 |
| Winona..... | 19,143 | 5 | 1 | | 1 | | | | 1 | |
| Missouri: | | | | | | | | | | |
| Cape Girardeau..... | 10,252 | | | | | | 1 | | | |
| Independence..... | 11,686 | 3 | | | | | | | | |
| Jefferson City..... | 14,490 | 4 | | | | | | | | 1 |
| Kansas City..... | 324,410 | 117 | 7 | | 10 | | | | 13 | 9 |
| St. Joseph..... | 77,939 | 26 | | | | | 1 | | | |
| St. Louis..... | 772,897 | 173 | 20 | | 5 | | 14 | | 55 | 11 |
| Springfield..... | 39,631 | 16 | | | | | | | | |

CITY REPORTS FOR WEEK ENDED MAY 20, 1922—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

| City. | Popula- tion Janu- ary 1, 1920, subject to correction. | Total deaths from all causes. | Diphtheria. | | Measles. | | Scarlet fever. | | Tuber- culosis. | |
|-----------------------|--|---|-------------|---------|----------|---------|-------------------|---------|--------------------|---------|
| | | | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. |
| Montana: | | | | | | | | | | |
| Anaconda..... | 11,668 | 6 | | | | | | | | |
| Billings..... | 15,100 | 4 | | | | | 1 | | 2 | |
| Butte..... | 41,611 | 13 | | | | | 1 | | | 1 |
| Great Falls..... | 24,121 | 9 | 5 | | | | | | 1 | |
| Missoula..... | 12,668 | 4 | | | | | | | | |
| Nebraska: | | | | | | | | | | |
| Lincoln..... | 54,934 | 13 | | | 54 | | | | | |
| Omaha..... | 191,601 | 33 | 1 | | 26 | | 2 | | | 4 |
| Nevada: | | | | | | | | | | |
| Reno..... | 12,016 | 4 | | | | | | | | |
| New Hampshire: | | | | | | | | | | |
| Berlin..... | 16,104 | 4 | | | | | | | 3 | |
| Concord..... | 22,167 | 7 | | | 1 | | | | | 1 |
| Dover..... | 13,029 | 5 | | | | | | | | |
| Keene..... | 11,210 | 5 | | | 1 | | | | | |
| Nashua..... | 28,379 | 13 | | | 3 | | | | 5 | |
| Portsmouth..... | 13,569 | | | | 8 | | | | | |
| New Jersey: | | | | | | | | | | |
| Asbury Park..... | 12,400 | 5 | | | 12 | | 1 | | | |
| Atlantic City..... | 60,682 | 10 | | | 1 | | 1 | | 7 | 2 |
| Bayonne..... | 76,754 | | 3 | | 8 | | 2 | | 4 | |
| Belleville..... | 15,660 | | 1 | | 4 | | 3 | | | |
| Bloomfield..... | 22,019 | 2 | 2 | | 10 | | 4 | | 1 | |
| Clifton..... | 26,470 | 2 | | | 3 | | 6 | | | |
| East Orange..... | 50,710 | 8 | 1 | | | | 6 | | 1 | |
| Elizabeth..... | 95,682 | | 10 | | 31 | | 7 | | 1 | |
| Englewood..... | 11,627 | 5 | 1 | | 8 | | 1 | | | |
| Garfield..... | 19,381 | 2 | | | 5 | | 3 | | 2 | 2 |
| Hackensack..... | 17,667 | 6 | | | 51 | | | | | 1 |
| Harrison..... | 15,721 | | 1 | | 17 | | | | 3 | |
| Hoboken..... | 68,166 | 22 | 3 | 1 | 6 | 2 | 3 | | 3 | 1 |
| Jersey City..... | 297,864 | | 22 | | 19 | | 21 | | 13 | |
| Montclair..... | 28,810 | 2 | 2 | | 8 | | 2 | | | 1 |
| Morristown..... | 12,548 | 3 | | | 1 | | | | | |
| Newark..... | 414,216 | 109 | 15 | 3 | 204 | 2 | 31 | 1 | 35 | 11 |
| Orange..... | 33,268 | 4 | | | 10 | | 6 | | 1 | |
| Passaic..... | 63,824 | 12 | 3 | 1 | 10 | | 3 | | 5 | |
| Paterson..... | 135,866 | | 8 | | 116 | | 6 | | | |
| Phillipsburg..... | 16,923 | 2 | | | | | | | | |
| Plainfield..... | 27,700 | 12 | 1 | | 13 | | 1 | | 1 | 1 |
| Rahway..... | 11,042 | 2 | | | 8 | | | | | |
| Summit..... | 10,174 | 2 | | | 14 | | | | | |
| Trenton..... | 119,289 | 25 | 4 | | 43 | 2 | 3 | | 6 | 1 |
| Union..... | 20,651 | | 1 | | 2 | | 3 | | | |
| West Hoboken..... | 40,068 | 7 | | | 9 | | 7 | | 2 | 1 |
| West New York..... | 29,926 | 6 | | | 4 | | 5 | | 1 | |
| West Orange..... | 15,573 | 2 | 1 | | 6 | | 3 | | 1 | |
| New Mexico: | | | | | | | | | | |
| Albuquerque..... | 15,157 | 9 | 7 | | | | 1 | | 8 | 5 |
| New York: | | | | | | | | | | |
| Albany..... | 113,344 | | 2 | | 2 | | | | 9 | |
| Auburn..... | 36,192 | 9 | | | | | 1 | | 1 | |
| Buffalo..... | 506,775 | 123 | 10 | | 2 | | 20 | 1 | 15 | 14 |
| Cohoes..... | 22,987 | 5 | 1 | | | | 1 | | | 1 |
| Geneva..... | 14,648 | 3 | | | | | | | | 1 |
| Glens Falls..... | 16,638 | 7 | | | 1 | | | | 1 | |
| Hornell..... | 15,025 | 3 | | | 46 | | | | | |
| Hudson..... | 11,745 | 3 | | | | | | | | |
| Ithaca..... | 17,004 | 8 | 1 | | | | | | 1 | |
| Jamestown..... | 38,917 | 8 | 1 | | 12 | | 5 | | 1 | |
| Lackawanna..... | 17,918 | 4 | | | | | | | | |
| Little Falls..... | 13,029 | 1 | | | | | 1 | | | |
| Lockport..... | 21,308 | 4 | 1 | | 1 | | 1 | | 1 | |
| Middletown..... | 18,420 | | 1 | | 1 | | | | 4 | |
| Mount Vernon..... | 42,726 | 8 | 1 | | 37 | | 3 | | 1 | |
| Newburgh..... | 30,366 | 10 | | | 25 | | | | | 1 |
| New York..... | 5,621,151 | 1,415 | 300 | 25 | 2,251 | 65 | 353 | 8 | 1,379 | 189 |
| Niagara Falls..... | 50,760 | 15 | 1 | | 19 | | 3 | | | 2 |
| North Tonawanda..... | 15,482 | 3 | 1 | | 1 | | 4 | | | |
| Olean..... | 20,506 | 4 | | | | | | | | |

¹ Pulmonary tuberculosis only.

CITY REPORTS FOR WEEK ENDED MAY 20, 1922—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

| City. | Popula- tion Janu- ary 1, 1920, subject to correction. | Total deaths from all causes. | Diphtheria. | | Measles. | | Scarlet fever. | | Tuber- culosis. | |
|------------------------|--|---|-------------|---------|----------|---------|-------------------|---------|--------------------|---------|
| | | | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. |
| New York—Continued. | | | | | | | | | | |
| Peekskill..... | 15,868 | 4 | | | | | | | | 1 |
| Port Chester..... | 16,573 | 2 | | | | | | | | |
| Poughkeepsie..... | 35,000 | 8 | | | 7 | | | | | |
| Rochester..... | 295,750 | 75 | 8 | 1 | 89 | 5 | 4 | | 18 | 5 |
| Rome..... | 26,341 | 11 | | | | | 1 | | | 2 |
| Saratoga Springs..... | 13,181 | 5 | | | | | | | | |
| Schenectady..... | 88,723 | 17 | 2 | | | | 7 | | 10 | 1 |
| Syracuse..... | 171,717 | 38 | 18 | 1 | | | 12 | | 12 | 2 |
| Troy..... | 72,013 | 36 | 2 | | | | 2 | | 6 | 2 |
| Watertown..... | 31,285 | 10 | | | | | | | 3 | 1 |
| White Plains..... | 21,031 | 4 | 1 | | 5 | | 1 | | 2 | |
| Yonkers..... | 100,226 | 24 | 3 | | 66 | | 14 | | 4 | 4 |
| North Carolina: | | | | | | | | | | |
| Charlotte..... | 46,338 | 7 | | | | | | | | 2 |
| Durham..... | 21,719 | 5 | | | | | | | 1 | |
| Greensboro..... | 19,861 | 6 | | | | | | | | 1 |
| Rocky Mount..... | 12,742 | 2 | | | | | | | | 1 |
| Salisbury..... | 13,884 | 2 | | | | | | | | |
| Wilmington..... | 33,372 | 16 | | | | | 1 | | | 1 |
| Winston-Salem..... | 48,395 | 10 | | | | | | | 1 | 1 |
| North Dakota: | | | | | | | | | | |
| Fargo..... | 21,961 | 0 | | | | | 1 | | | |
| Ohio: | | | | | | | | | | |
| Akron..... | 208,435 | 23 | 5 | | 147 | | 5 | | 11 | |
| Ashtabula..... | 22,082 | 0 | 1 | | | | | | | |
| Barberton..... | 18,811 | 4 | | | | | | | 1 | 1 |
| Bucyrus..... | 10,425 | 4 | | | | | | | | |
| Cambridge..... | 13,104 | 4 | | | 8 | 1 | | | | |
| Canton..... | 87,091 | 14 | 1 | | 23 | 2 | | | 1 | 1 |
| Chillicothe..... | 15,831 | 4 | | | | | 1 | | 1 | 1 |
| Cincinnati..... | 401,247 | 103 | 8 | | 156 | 3 | 1 | | 18 | 15 |
| Cleveland..... | 796,836 | 18 | | | 396 | | 37 | | 48 | |
| Cleveland Heights..... | 15,236 | | | | 13 | | | | | |
| Columbus..... | 237,031 | 53 | 2 | | 43 | | 2 | | 5 | 4 |
| Dayton..... | 152,559 | 39 | 4 | | 16 | | 2 | | 4 | |
| East Cleveland..... | 27,292 | 7 | | | 25 | | | | | |
| East Youngstown..... | 11,237 | 1 | | | | | | | | |
| Findlay..... | 17,021 | 3 | 1 | | | | | | 1 | |
| Fremont..... | 12,468 | 2 | | | | | | | 2 | |
| Kenmore..... | 12,683 | | | | 26 | | | | | |
| Lancaster..... | 14,706 | 4 | 1 | | | | | | | |
| Lorain..... | 37,295 | | | | 2 | | 1 | | 1 | |
| Mansfield..... | 27,824 | 9 | | | | | 1 | | | |
| Marion..... | 27,891 | | | | | | 1 | | | |
| Martins Ferry..... | 11,634 | 5 | | | | | 2 | | | |
| Newark..... | 26,718 | 3 | | | | | | | | 1 |
| New Philadelphia..... | 10,718 | | 1 | | 1 | | | | | |
| Niles..... | 13,080 | 2 | | | | | | | | |
| Norwood..... | 24,966 | 3 | 1 | | 12 | | | | 1 | 1 |
| Piqua..... | 15,044 | 1 | | | | | | | 1 | |
| Salem..... | 10,305 | 6 | | | 6 | | | | 1 | 1 |
| Sandusky..... | 22,897 | 6 | | | | | | | | |
| Springfield..... | 60,840 | 12 | | | | | | | 4 | |
| Steubenville..... | 28,508 | 7 | 1 | | | | 1 | | 2 | |
| Toledo..... | 243,109 | 68 | 11 | | 89 | | 1 | | 8 | 11 |
| Zanesville..... | 29,569 | 11 | | | | | 1 | | 2 | |
| Oklahoma: | | | | | | | | | | |
| Oklahoma..... | 91,258 | 21 | 4 | | | | | | 4 | 2 |
| Tulsa..... | 72,075 | | 1 | | | | 6 | | 1 | |
| Oregon: | | | | | | | | | | |
| Portland..... | 258,288 | 65 | 8 | 1 | 3 | | 2 | 1 | 1 | 3 |
| Pennsylvania: | | | | | | | | | | |
| Philadelphia..... | 1,823,158 | 432 | 57 | 3 | 151 | 1 | 87 | 2 | 67 | 41 |
| Rhode Island: | | | | | | | | | | |
| Cranston..... | 29,407 | 5 | | | | | | | | 2 |
| Newport..... | 30,255 | 1 | 1 | | | | 1 | | | |
| Pawtucket..... | 64,248 | 16 | | | | | | | | |
| Providence..... | 237,595 | 54 | 10 | 1 | 9 | | 7 | | | 3 |
| South Carolina: | | | | | | | | | | |
| Charleston..... | 67,957 | 23 | | | | | | | | 3 |
| Columbia..... | 37,524 | | 1 | | | | | | 1 | |
| Greenville..... | 23,127 | 7 | | | | | | | | |

CITY REPORTS FOR WEEK ENDED MAY 20, 1922—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

| City. | Popula- tion Janu- ary 1, 1920, subject to correction. | Total deaths from all causes. | Diphtheria. | | Measles. | | Scarlet fever. | | Tuber- culosis. | |
|---------------------|--|---|-------------|---------|----------|---------|-------------------|---------|--------------------|---------|
| | | | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. |
| South Dakota: | | | | | | | | | | |
| Sioux Falls..... | 25,176 | 6 | | | 2 | | | | | |
| Tennessee: | | | | | | | | | | |
| Chattanooga..... | 57,895 | | 1 | | | | 1 | | | |
| Knoxville..... | 77,818 | | | | 10 | | | | 4 | 4 |
| Memphis..... | 162,351 | 59 | 2 | | | | 1 | | 11 | 3 |
| Nashville..... | 118,342 | 39 | 2 | | | | 2 | | 3 | 3 |
| Texas: | | | | | | | | | | |
| Beaumont..... | 40,422 | 11 | | | | | | | | 1 |
| Corpus Christi..... | 10,522 | 3 | | | | | | | | |
| Dallas..... | 158,976 | 41 | 4 | | 90 | | 2 | | 21 | 5 |
| El Paso..... | 77,543 | 20 | | | | | 2 | | | 6 |
| Fort Worth..... | 106,482 | 34 | | | 4 | | 1 | | 5 | 5 |
| Galveston..... | 44,255 | 10 | 1 | | | | | | | |
| Houston..... | 138,076 | 40 | | | | | | | | 3 |
| Waco..... | 38,500 | 9 | | | | | | | | |
| Utah: | | | | | | | | | | |
| Salt Lake City..... | 118,110 | 36 | | | | | 1 | | | 3 |
| Vermont: | | | | | | | | | | |
| Burlington..... | 22,779 | 10 | | | | | | | | |
| Rutland..... | 14,954 | 3 | | | | | | | | |
| Virginia: | | | | | | | | | | |
| Alexandria..... | 18,060 | 4 | | | | | | | | |
| Danville..... | 21,539 | 6 | | | | | | | 1 | 1 |
| Lynchburg..... | 29,956 | | | | | | | | 11 | |
| Norfolk..... | 115,777 | | | | 2 | | | | 11 | 6 |
| Petersburg..... | 31,002 | 13 | 1 | | | | 1 | | | 1 |
| Portsmouth..... | 54,387 | 13 | 2 | | | | | | | |
| Richmond..... | 171,667 | 45 | 1 | | 100 | | 2 | | 10 | 6 |
| Roanoke..... | 50,842 | 10 | 1 | | | | 1 | | | 1 |
| West Virginia: | | | | | | | | | | |
| Bluefield..... | 15,282 | 4 | | | | | | | | |
| Charleston..... | 39,608 | 18 | 1 | | | | | | | 2 |
| Clarksburg..... | 27,869 | 9 | 2 | | | | 1 | | 3 | |
| Fairmont..... | 17,851 | | | | | | 2 | | | |
| Huntington..... | 50,177 | 12 | | | | | | | | 1 |
| Martinsburg..... | 12,515 | | | | 1 | | | | | |
| Moundsville..... | 10,669 | 3 | | | 4 | | | | | |
| Parkersburg..... | 20,050 | 5 | | | | | | | | |
| Wheeling..... | 54,322 | 12 | | | 2 | | | | 7 | 3 |
| Wisconsin: | | | | | | | | | | |
| Appleton..... | 19,561 | | | | | | 4 | | | |
| Ashland..... | 11,334 | | 1 | | | | 1 | | | |
| Beloit..... | 21,284 | 2 | | | | | 3 | | | |
| Eau Claire..... | 20,880 | | | | 1 | | | | | |
| Fond du Lac..... | 23,427 | 6 | | | | | | | | 2 |
| Janesville..... | 18,293 | 1 | | | 1 | | 1 | | | |
| Kenosha..... | 40,472 | 3 | 1 | | 2 | | 1 | | | |
| La Crosse..... | 30,363 | | 1 | | 2 | | 3 | | | |
| Madison..... | 38,378 | | | | 1 | | 1 | | | |
| Manitowoc..... | 17,563 | | | | | | | | 2 | |
| Milwaukee..... | 457,147 | | 6 | | 6 | | 19 | | 26 | |
| Oshkosh..... | 33,162 | 3 | 1 | | | | 1 | | | 2 |
| Racine..... | 58,593 | 11 | 2 | | 1 | | 6 | 1 | 3 | 1 |
| Stevens Point..... | 11,378 | | 1 | | | | 1 | | | |
| Superior..... | 39,624 | 10 | | | 1 | | 3 | | | 1 |
| Wausau..... | 18,661 | | | | | | | | | |
| Wyoming: | | | | | | | | | | |
| Cheyenne..... | 13,829 | 2 | | | | | | | | |

FOREIGN AND INSULAR.

PLAGUE-INFECTED RODENTS ON VESSEL.

Steamship "Elpenor"—Liverpool, England.

At Liverpool, England, the finding of a plague-infected rat on the steamship *Elpenor* from oriental ports was reported during the two-week period ended April 29, 1922, and the finding of a plague-infected mouse from the same vessel during the week ended May 6, 1922.

The itinerary of the steamship *Elpenor* shows that the vessel left New York December 17, 1921, arriving at Yokohama January 25, 1922. From that port the vessel proceeded to Kobe, arriving February 2; to Shanghai, arriving February 24; to Saigon, arriving March 1; sailing from that port for Singapore March 13; arriving April 9 at Genoa, April 12 at Marseille, and April 22 at Liverpool, and sailing from that port May 3 for the Clyde.

HONDURAS.

Hookworm Infection—Hemoglobinuria.

Examinations for hookworm infection made in six towns in the Tegucigalpa district, Honduras, during February and March, 1922, by a representative of the Rockefeller Foundation, show a high rate of infection in the towns of Amapala, Choluteca, and Nacaome, as follows: In Choluteca, 212 examinations showed 89 per cent; in Amapala, 241 examinations showed 76.3 per cent; in Nacaome, 170 examinations showed 74.8 per cent. Results of hemoglobinuria tests were as follows: 235 tests in Amapala gave 67.9 per cent; 158 tests in Choluteca gave 65 per cent; and 134 tests in Nacaome gave 57 per cent.

It was stated that examinations of both sexes were made indiscriminately and that the age of persons examined varied greatly. As only a small percentage of the total population was examined, the percentages of general infection can not be assumed to be the same as those given.

ITALY.

Quarantine Measures Against Patras.

According to information dated May 5, 1922, quarantine measures against importation of plague have been ordered to be enforced at Italian ports against arrivals from Patras, Greece.

MADAGASCAR.

Plague - Summary - November, 1921-February, 1922.

Corrected statements of the prevalence of plague in the island of Madagascar show the occurrence at Tamatave of one fatal case during the week ended February 12, 1922, the type of the disease being bubonic. At Tananarive, from November 23, 1921, to February 27, 1922, 49 cases with 30 deaths were reported. The types of the disease were stated to be bubonic, pneumonic, and septicemic. On March 5, 1922, Tananarive was officially declared free from plague. The number of rats taken was reported as follows: January, 1922, 6,799; February, 1922, 8,145; March, 1922, 22,286.

POLAND.

Communicable Diseases.¹

Communicable diseases have been reported in Poland, exclusive of the districts of Brest-Litovsk, Minsk, and Wilno, as follows:

January 29-February 25, 1922.

| Disease. | Cases. | Deaths. | Locality of highest proportional mortality. |
|-------------------------------|--------|---------|---|
| Cerebrospinal meningitis..... | 37 | 18 | Warsaw. |
| Cholera..... | 1 | ----- | Do. |
| Diphtheria..... | 392 | 54 | Polesia. |
| Measles..... | 1,933 | 77 | Tarnopol. |
| Scarlet fever..... | 1,228 | 174 | Stanislawow. |
| Smallpox..... | 197 | 61 | Do. |
| Tuberculosis..... | 318 | 840 | Lwow. |
| Typhoid fever..... | 1,806 | 163 | Volhynia. |
| Typhus fever..... | 7,005 | 583 | Bialystok. |
| Typhus fever, recurrent..... | 9,188 | 357 | Polesia. |

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER.

Reports Received During Week Ended June 9, 1922.²

CHOLERA.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|---------------|--------------------|--------|---------|----------|
| India: | | | | |
| Bombay..... | Mar. 26-Apr. 1.... | 1 | ----- | |
| Calcutta..... | Apr. 9-22..... | 172 | 146 | |
| Rangoon..... | Apr. 2-15..... | 11 | 10 | |
| Poland: | | | | |
| Warsaw..... | Jan. 29-Feb. 25... | 1 | ----- | |
| Siam: | | | | |
| Bangkok..... | Mar. 19-Apr. 8.... | 5 | 2 | |

PLAGUE.

| | | | | |
|----------------------|----------------|---|---|--|
| British East Africa: | | | | |
| Kenya Colony— | | | | |
| Nairobi..... | Apr. 2-8..... | 2 | 2 | |
| Ceylon: | | | | |
| Colombo..... | Apr. 9-15..... | 1 | 1 | |

¹ Public Health Reports, Mar. 31, 1922, p. 787.

² From medical officers of the Public Health Service, American consuls, and other sources.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received During Week Ended June 9, 1922—Continued.

PLAGUE—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|-------------------------|----------------------|--------|---------|---|
| China: | | | | |
| Amoy..... | Apr. 16-22..... | | 7 | |
| Hongkong..... | May 14-20..... | 96 | 20 | |
| India: | | | | Mar. 19-Apr. 1, 1922: Cases, 5,438; deaths, 4,353. |
| Bombay..... | Mar. 19-Apr. 1..... | 75 | 61 | |
| Calcutta..... | Apr. 9-22..... | 22 | 20 | |
| Karachi..... | Apr. 16-29..... | 190 | 154 | |
| Madras..... | do..... | 222 | 101 | Presidency. |
| Rangoon..... | Apr. 2-15..... | 137 | 130 | |
| Madagascar: | | | | |
| Tamatave..... | Feb. 6-12..... | 1 | 1 | |
| Tananarive..... | | | | Nov. 23, 1921-Feb. 27, 1922: Cases, 49; deaths, 30. |
| Mauritius (Island)..... | Feb. 16..... | 1 | | |
| Mesopotamia: | | | | |
| Bagdad..... | Mar. 1-31..... | | 1 | |
| Siam: | | | | |
| Bangkok..... | Mar. 19-Apr. 15..... | 8 | 6 | |
| Straits Settlements: | | | | |
| Singapore..... | Apr. 2-15..... | 5 | 4 | |
| Syria: | | | | |
| Beirut..... | Apr. 9-23..... | 3 | | |
| On vessel: | | | | |
| S. S. Elpenor..... | Apr. 16-May 6..... | | | At Liverpool, England, from oriental ports, 1 plague-infected rat and 1 infected mouse. |

SMALLPOX.

| | | | | |
|---------------------------|---------------------|-----|----|-------------------------------------|
| Arabia: | | | | |
| Aden..... | Apr. 23-29..... | | 3 | |
| Brazil: | | | | |
| Rio de Janeiro..... | Apr. 23-May 6..... | 24 | 8 | |
| British East Africa: | | | | |
| Kenya Colony— | | | | |
| Nairobi..... | Apr. 2-20..... | 8 | | |
| Canada: | | | | |
| New Brunswick— | | | | |
| Charlotte County..... | May 7-13..... | 1 | | |
| Madawaska County..... | do..... | 4 | | |
| Ontario— | | | | |
| Ottawa..... | May 14-27..... | 4 | | |
| Toronto..... | do..... | 9 | | |
| Ceylon: | | | | |
| Colombo..... | Apr. 16-22..... | 2 | | |
| China: | | | | |
| Amoy..... | do..... | | 1 | |
| Chungking..... | Apr. 9-22..... | | | Present. |
| Hongkong..... | do..... | 33 | 24 | |
| Manchuria— | | | | |
| Harbin..... | Apr. 3-16..... | 2 | | Do. |
| Nanking..... | Apr. 9-22..... | | | |
| Shanghai..... | Apr. 17-30..... | | 2 | |
| Tsingtau..... | Mar. 20-Apr. 9..... | 3 | | |
| Dominican Republic: | | | | |
| San Pedro de Macoris..... | May 6-13..... | | | In country, about 63 cases present. |
| Great Britain: | | | | |
| Nottingham..... | Apr. 16-May 6..... | 5 | | |
| India: | | | | |
| Bombay..... | May 10-Apr. 1..... | 12 | 6 | |
| Calcutta..... | Apr. 9-22..... | 52 | 36 | |
| Karachi..... | Apr. 16-29..... | 27 | 28 | |
| Madras..... | do..... | 222 | 81 | |
| Rangoon..... | Apr. 2-15..... | 11 | 3 | |
| Japan: | | | | |
| Nagasaki..... | Apr. 24-30..... | 1 | | |
| Java: | | | | |
| West Java— | | | | |
| Batavia..... | Apr. 7-20..... | 2 | 1 | |
| Mexico: | | | | |
| Guadalajara..... | Apr. 1-30..... | 6 | 1 | |
| Mexico City..... | Apr. 9-22..... | 80 | | |
| Monterey..... | May 10-16..... | | 2 | |
| San Luis Potosi..... | May 14-20..... | | 2 | |

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received During Week Ended June 9, 1922—Continued.

SMALLPOX—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|------------------------|--------------------|--------|---------|--|
| Panama: | | | | |
| Panama..... | Apr. 26-May 11.... | 2 | | One case, reported May 11, imported from Chiriqui Province. Jan. 29-Feb. 25, 1922: Cases, 197, deaths, 61. |
| Poland..... | | | | |
| Siam: | | | | |
| Bangkok..... | Mar. 19-25..... | 1 | | |
| Siberia: | | | | |
| Vladivostok..... | Mar. 1-31..... | 2 | | |
| Spain: | | | | |
| Huelva..... | Mar. 1-31..... | | 1 | |
| Straits Settlements: | | | | |
| Singapore..... | Apr. 2-15..... | 20 | 3 | |
| Switzerland: | | | | |
| Zurich..... | Apr. 1-30..... | 38 | | |
| Syria: | | | | |
| Beirut..... | Apr. 9-16..... | 1 | | |
| Turkey: | | | | |
| Constantinople..... | Apr. 30-May 6.... | 12 | 3 | |
| Union of South Africa: | | | | |
| Southern Rhodesia..... | Apr. 13-19..... | 7 | | |

TYPHUS FEVER.

| | | | | |
|---------------------|--------------------|----|----|--|
| Algeria: | | | | |
| Algiers..... | May 1-10..... | 5 | | |
| China: | | | | |
| Harbin..... | Apr. 3-16..... | 3 | | |
| Egypt: | | | | |
| Cairo..... | Feb. 19-Mar. 4.... | 5 | 1 | |
| Germany: | | | | |
| Berlin..... | Apr. 8-15..... | | 1 | |
| Königsberg..... | Apr. 16-22..... | | 1 | |
| Greece: | | | | |
| Saloniki..... | Apr. 8-30..... | 17 | 29 | Among Russian refugees, 16 cases, 5 deaths. |
| Mesopotamia: | | | | |
| Bagdad..... | Mar. 1-31..... | | 3 | |
| Mexico: | | | | |
| Mexico City..... | Apr. 9-22..... | 29 | | |
| Poland..... | | | | Jan. 29-Feb. 25, 1922: Cases, 7,005; deaths, 583. Recurrent typhus: Cases, 9,188; deaths, 357. |
| Portugal: | | | | |
| Oporto..... | Apr. 23-May 6.... | 8 | | |
| Siberia: | | | | |
| Vladivostok..... | Mar. 25-31..... | 2 | 1 | |
| Syria: | | | | |
| Aleppo..... | May 7-13..... | | | Present in interior localities. |
| Turkey: | | | | |
| Constantinople..... | Apr. 30-May 6.... | 9 | 1 | |

YELLOW FEVER.

| | | | | |
|------------|-----------------|---|---|--|
| Brazil: | | | | |
| Bahia..... | Apr. 16-22..... | 1 | 1 | |

Reports Received from December 31, 1921, to June 2, 1922.

CHOLERA.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|---------------|---------------------|--------|---------|---|
| India: | | | | |
| Bombay..... | Oct. 30-Nov. 5.... | 1 | | Oct. 2-Dec. 31, 1921: Deaths, 37,749. (Corrected report.) Jan. 1-28, 1922: Deaths, 2,828. |
| Do..... | Jan. 29-Feb. 4.... | 1 | 1 | |
| Calcutta..... | Oct. 23-Dec. 31.... | 71 | 60 | |
| Do..... | Jan. 1-Apr. 8..... | 562 | 470 | |

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 31, 1921, to June 2, 1922—Continued.

CHOLERA—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|----------------------------|----------------------|--------|---------|---|
| India—Continued. | | | | |
| Karachi..... | Nov. 6-12..... | ..... | 1 | |
| Madras..... | Dec. 11-31..... | 4 | 1 | |
| Do..... | Jan. 1-Apr. 8..... | 15 | 9 | |
| Rangoon..... | Oct. 1-Dec. 31..... | 30 | 24 | |
| Do..... | Jan. 1-Apr. 1..... | 43 | 35 | |
| Indo-China: | | | | |
| Saigon..... | Nov. 6-12..... | 1 | 1 | |
| Do..... | Jan. 29-Mar. 18..... | 34 | 30 | Including 100 km. surrounding country. |
| Java: | | | | |
| West Java— | | | | |
| Batavia..... | Nov. 1-7..... | 2 | 2 | At Lebak. |
| Philippine Islands: | | | | |
| Manila..... | Nov. 13-Dec. 31..... | 49 | 18 | |
| Do..... | Jan. 1-Apr. 15..... | 84 | 28 | |
| Province— | | | | |
| Bulacan..... | Dec. 25-31..... | 1 | ..... |  |
| Do..... | Feb. 12-Mar. 11..... | 3 | 3 | |
| Cavite..... | Jan. 1-7..... | 1 | 1 | |
| Cebu..... | Jan. 8-14..... | 1 | ..... |  |
| Pampanga..... | Dec. 25-31..... | 1 | ..... |  |
| Rizal..... | Jan. 15-28..... | 18 | 12 | |
| Zambales..... | Dec. 11-31..... | 31 | 18 | |
| Do..... | Jan. 1-7..... | 5 | 4 | |
| Poland..... | | | | Aug. 14-Sept. 10, 1921: Cases, 4; deaths, 1. |
| Russia. | | | | |
| Kharkoff..... | Jan. 28..... | ..... | ..... | Including the Ukraine; outbreaks reported; May 2, 1922. |
| Kief..... | Dec. 15-Jan. 11..... | 259 | ..... | Present. |
| Lettonia— | | | | |
| Riga..... | | | | At quarantine station in October 1921: 1 case. |
| Lithuania..... | | | | Present, Feb. 19, 1922, with 30 cases and mortality of 33 per cent, Kovno and vicinity. |
| Odessa..... | Jan. 28..... | ..... | ..... | Present. |
| Siam: | | | | |
| Bangkok..... | Oct. 23-Dec. 24..... | 8 | 4 | |
| Do..... | Jan. 29-Mar. 11..... | 9 | 4 | |
| Syria..... | | | | Apr. 16-22, 1922: Reported present in interior cities. |

PLAGUE.

| | | | | |
|--------------------|----------------------|-------|-------|--|
| Asia Minor: | | | | |
| Smyrna..... | Nov. 27-Dec. 3..... | 1 | 1 | |
| Do..... | Apr. 9-15..... | 1 | ..... |  |
| Australia: | | | | |
| New South Wales— | | | | |
| Sydney..... | Nov. 27-Dec. 3..... | 2 | 1 | Dec. 7-13, 1921: 4 plague rats. |
| Do..... | Jan. 29-Apr. 29..... | 15 | 2 | Jan. 15-21, 1922: 1 plague rat. |
| Queensland— | | | | |
| Aramac..... | Mar. 19-23..... | 1 | 1 | Inland town on railroad about 150 miles from coast. |
| Brisbane..... | Oct. 30-Dec. 31..... | 27 | 20 | Total, Aug. 22-Dec. 31, 1921: Cases, 41; deaths, 27. Total infected rats, 54. Total cases, Jan. 1-Apr. 8, 1922: 19. Total infected rats, 16. |
| Do..... | Jan. 1-Mar. 18..... | 10 | ..... | Plague rats, 9. |
| Bundaberg..... | Mar. 5-11..... | 1 | ..... | Pestis minor. |
| Cairns..... | Oct. 30-Dec. 31..... | 6 | 3 | |
| Do..... | Jan. 1-7..... | ..... | 1 | |
| Cooktown..... | Oct. 30-Nov. 5..... | 1 | ..... |  |
| Ingham..... | | | | Nov. 6-Dec. 24, 1921: Plague rats, 14. Jan. 1-14, 1922: 2 plague rats. |
| Inisfall..... | | | | Nov. 27-Dec. 3, 1921: 1 plague rat. |
| Ipswich..... | Dec. 11-17..... | 1 | 1 | |
| Port Douglas..... | Nov. 13-19..... | 1 | 1 | |
| Townsville..... | Nov. 20-Dec. 3..... | 2 | 2 | Total cases, 27; deaths, 18. |
| Do..... | Jan. 1-14..... | ..... | 2 | To Jan. 14, 1922: Cases, 32; deaths, 21. |

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 31, 1921, to June 2, 1922—Continued.

PLAGUE—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|-----------------------------|----------------------|--------|---------|---|
| Azores: | | | | |
| Islands— | | | | |
| Fayal..... | Jan. 16-22..... | 2 | 2 | |
| Horta..... | Feb. 2-8..... | 4 | 2 | |
| St. Michael..... | ..... | ..... | ..... | Nov. 27-Dec. 31, 1921: Cases, 23; deaths, 9. Jan. 1-21, 1922: Cases, 13; deaths, 8. Jan. 22-Apr. 1, 1922: Cases, 62; deaths, 31; occurring at Arrifes, Capelas, Feneas, Ribeira Grande, and Santo Antonio; distance from port of Ponta Delgada, 3 to 9 miles. |
| Arrifes..... | Dec. 25-31..... | 1 | 1 | 3 miles from port. |
| Do..... | Jan. 1-7..... | 1 | ..... |  |
| Feneas d'Ajuda..... | Nov. 27-Dec. 3..... | ..... | ..... | Present. 6 miles from port. |
| Do..... | Jan. 15-21..... | 3 | 2 | |
| Ribeira Grande..... | Nov. 13-Dec. 10..... | 19 | 8 | 9 miles from port. |
| Do..... | Jan. 8-14..... | 9 | 6 | |
| Livramento..... | Dec. 4-10..... | 2 | ..... | Vicinity of Ponta Delgada. |
| Ponta Delgada..... |do..... | 1 | ..... |  |
| Brazil: | | | | |
| Bahia..... | Oct. 30-Dec. 31..... | 13 | 12 | |
| Do..... | Jan. 1-Mar. 25..... | 16 | 12 | |
| Para..... | Feb. 6-12..... | ..... | 1 | |
| Pernambuco..... | Feb. 26-Mar. 4..... | 1 | 1 | |
| Porto Alegre..... | Feb. 12-18..... | 3 | 2 | |
| Rio de Janeiro..... | Jan. 22-28..... | 1 | 1 | |
| British East Africa: | | | | |
| Uganda..... | Aug. 1-Dec. 31..... | 256 | 229 | Aug. 1-Oct. 31, 1921: Reports of inspectors, deaths, 343; reports of chiefs, deaths, 651. |
| Do..... | Jan. 1-31..... | 57 | 56 | Present. No plague mortality reported during previous 5-month period. August, 1921: Cases, 6; deaths, 3. |
| Cape Verde Islands: | | | | |
| St. Vincent..... | Mar. 16..... | ..... | ..... | Oct. 30-Dec. 24, 1921: Rodent plague, 6. Infected rats, 12. |
| Ceylon: | | | | |
| Colombo..... | Oct. 30-Dec. 31..... | 13 | 10 | Mar. 5-11, 1922: 1 plague rat, |
| Do..... | Jan. 1-Apr. 8..... | 30 | 28 | Present in surrounding country |
| Chile: | | | | |
| Antofagasta..... | ..... | ..... | ..... |  |
| China: | | | | |
| Amoy..... | Feb. 18-Mar. 4..... | ..... | ..... |  |
| Hongkong..... | Nov. 20-Dec. 17..... | 6 | ..... |  |
| Do..... | Jan. 1-May 13..... | 581 | 366 | |
| Ecuador: | | | | |
| Guayaquil..... | Nov. 16-Dec. 31..... | 18 | 6 | Rats examined, 2,958; found infected, 90. Total, July-Dec. 15, 1921: Cases, 28. Jan. 1-Apr. 15, 1922: Rats examined, 21,000; found infected, 575. |
| Do..... | Jan. 1-Apr. 15..... | 43 | 15 | Jan. 1-Dec. 31, 1921: Cases, 356; deaths, 153. Jan. 1-Apr. 27, 1922: Cases, 90; deaths, 40. |
| Naranjito..... | Mar. 1-15..... | 1 | ..... | Feb. 12-18, 1922: 1 plague rodent, Mar. 12-16, 1922: 1 case, 1 death, septicemic. |
| Egypt: | | | | |
| City— | | | | |
| Alexandria..... | Dec. 5-30..... | 7 | 2 | |
| Do..... | Jan. 17-Apr. 26..... | 16 | 10 | |
| Port Said..... | Dec. 30..... | 3 | ..... |  |
| Do..... | Mar. 13-Apr. 27..... | 3 | 3 | |
| Suez..... | Nov. 22-Dec. 31..... | 16 | 9 | |
| Do..... | Jan. 2-Apr. 27..... | 22 | 8 | |
| Province— | | | | |
| Assiout..... | Mar. 25-Apr. 27..... | 3 | 3 | Septicemic. |
| Assouan..... | Feb. 28..... | 1 | 1 | Do. |
| Benisouef..... | Apr. 24..... | 4 | ..... |  |
| Fayoum..... | Feb. 17-Mar. 9..... | 5 | 1 | |
| Gharbieh..... | Feb. 17-Mar. 27..... | 5 | 1 | |
| Girgeh..... | Jan. 12-Mar. 30..... | 5 | ..... |  |
| Kenah..... | Dec. 1..... | 1 | ..... | Do. |
| Do..... | Jan. 21-Feb. 28..... | 1 | 3 | Pneumonic, 1 case, 1 death; septicemic, 1 case. |
| Minieh..... | Feb. 21-Apr. 26..... | 7 | 4 | Septicemic. |
| France: | | | | |
| Dunkirk..... | Mar. 24..... | ..... | 1 | In hospital, from steamship City of Genoa, from Bombay. |

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 31, 1921, to June 2, 1922—Continued.

PLAGUE—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|---|----------------------|--------|---------|--|
| Great Britain: Liverpool..... | | | | Mar. 31, 1922: Finding of 3 plague-infected rats reported; in warehouse in which material from steamship Warwickshire was stored. ¹ |
| Greece: Preveza..... | Feb. 8..... | | | Outbreak. Port on the Ionian Sea. |
| India: Bombay..... | Oct. 23-Dec. 24..... | 7 | 6 | Oct. 23-Dec. 31, 1921: Cases, 11,229; deaths, 8,465. Jan. 1-Mar. 18, 1922: Cases, 28,161; deaths, 22,152. |
| Do..... | Jan. 1-Mar. 18..... | 158 | 122 | |
| Calcutta..... | Jan. 29-Apr. 8..... | 37 | 37 | |
| Karachi..... | Nov. 6-Dec. 31..... | 5 | 5 | |
| Do..... | Jan. 1-Apr. 15..... | 395 | 296 | |
| Madras..... | Dec. 11-17..... | 1 | | |
| Madras Presidency..... | Nov. 13-Dec. 31..... | 2,047 | 1,438 | |
| Do..... | Jan. 1-Apr. 15..... | 4,037 | 2,871 | |
| Rangoon..... | Oct. 1-Dec. 31..... | 139 | 129 | |
| Do..... | Jan. 1-Apr. 1..... | 345 | 308 | |
| Indo-China: Saigon..... | | | | Nov. 6-Dec. 24, 1921: Rodent plague, 10. Jan. 8-Mar. 18, 1922: Rodent plague, 12. |
| Italy: Catania..... | Nov. 27..... | 1 | 1 | Total, Oct. 16-Nov. 27, 1921: Cases, 8 (of which 1 doubtful); deaths, 5. Jan.-Feb., 1922: 23 plague-infected rats found. |
| Naples (Province)— Torre Annunziata..... | Oct. 22-Dec. 27..... | 2 | | 17 miles from city of Naples. |
| Venice..... | Oct. 27..... | 1 | | |
| Java..... | | | | Islands of Java and Madoera; Nov. 1-Dec. 31, 1921: Deaths, 1,781. Jan. 1-Feb. 28, 1922: Deaths, 2,571. |
| East Java— Soerabaya..... | Oct. 30-Dec. 10..... | 11 | 12 | |
| Do..... | Jan. 1-Mar. 25..... | 16 | 16 | |
| Madagascar: Tananarive..... | Jan. 23-Feb. 29..... | 9 | 5 | Bubonic, pneumonic, and septicemic. |
| Mauritius (Island)..... | | | | Jan. 23-Feb. 6, 1922: Cases, 12; deaths, 3. |
| Port Louis..... | Oct. 29-Dec. 30..... | 241 | 142 | Plague-infected rats, 176; plague-infected cats, 36. (Corrected report.) Dec. 1-30, 1921: Dead rats found, 155; dead cats, 4. |
| Do..... | Dec. 31-Jan. 22..... | 16 | 6 | Dead rats found, Dec. 31, 1921-Jan. 11, 1922, 17. |
| Mesopotamia: Bagdad..... | Oct. 1-31..... | 1 | 1 | |
| Do..... | Feb. 1-28..... | 2 | 1 | |
| Mexico: Tampico..... | | | | Dec. 13-31, 1921: Infected rodents found, 5; total, Jan. 1-Dec. 3, 1921, infected rodents, 322; Jan. 1-May 6, 1922, 16 plague-infected rodents. |
| Vera Cruz..... | | | | One infected rodent caught Dec. 5, 1921. Apr. 4-28, 1922: 3 infected rodents found. |
| Peru..... | | | | Nov. 17-Dec. 31, 1921: Cases, 94; deaths, 35. Occurring in Callao, Huacho, Huaras, Lima, Magdalena Vieja, Paiza, Salaverry, and Sechura. Jan. 1-Feb. 28, 1922: Cases, 141; deaths, 62. (Corrected report to Feb. 15, 1922.) Mar. 16-31, 1922: Cases, 28; deaths, 14. |

¹ Public Health Reports, Mar. 31, 1922, p. 784.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 31, 1921, to June 2, 1922—Continued.

PLAGUE—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|-----------------------------------|----------------------|--------|---------|--|
| Peru—Continued. | | | | |
| Localities— | | | | |
| Bambamarca..... | Jan. 1-15..... | 1 | ..... | Present. Rural. |
| Barranco..... | Jan. 16-31..... | 1 | ..... |  |
| Callao..... | Jan. 1-Feb. 28..... | 7 | 4 | Rural. Year, 1921: Deaths, 30. |
| Casma..... | Feb. 1-28..... | 11 | 3 | |
| Chiclayo..... | Jan. 16-Feb. 28..... | 19 | 16 | |
| Chilca..... | Jan. 16-Feb. 15..... | 11 | 2 | |
| Cutervo..... | Jan. 1-15..... | 1 | ..... | Rural. |
| Guadalupo..... | Jan. 1-31..... | 7 | 2 | |
| Huacho..... | Jan. 1-Feb. 15..... | 3 | ..... |  |
| Hualgayoc..... | Jan. 16-31..... | ..... | ..... | Province. Present. |
| Huaral..... | Jan. 1-15..... | 2 | ..... |  |
| Jayanca..... |do..... | ..... | ..... | Present. |
| Lambayeque..... | Jan. 16-Feb. 15..... | 3 | ..... |  |
| Lima..... | Jan. 1-Feb. 28..... | 14 | 4 | In district, 20 cases, 6 deaths. |
| Mollendo..... | Feb. 1-28..... | 3 | ..... |  |
| Pacasmayo..... |do..... | 1 | ..... |  |
| Payta..... | Jan. 1-Feb. 28..... | 25 | 21 | |
| Piura..... | Feb. 1-15..... | 1 | ..... |  |
| Salaverry..... | Jan. 16-31..... | 1 | ..... |  |
| San Pedro..... | Jan. 1-15..... | 1 | ..... |  |
| Sullana..... | Jan. 1-Feb. 28..... | 3 | 3 | |
| Trujillo..... | Feb. 1-15..... | ..... | ..... | Present. |
| Tumbes..... |do..... | 4 | ..... |  |
| Portugal: | | | | |
| Lisbon..... | Dec. 15..... | 1 | 1 | |
| Do..... | Feb. 1-28..... | 6 | ..... | Pneumonic; occurring in one family. |
| Portuguese West Africa: | | | | |
| Angola— | | | | |
| Loanda..... | Oct. 9-Nov. 5..... | ..... | 2 | |
| Do..... | Jan. 29-Feb. 4..... | ..... | 2 | |
| Mossamedes..... | Feb. 14..... | ..... | ..... | Present. In vicinity Mar. 1-22, 1922: Cases, 11. No cases reported in city since Feb. 28, 1922. |
| Rhodes (Island) (Aegean Sea)..... | Oct. 13..... | 3 | 1 | |
| Senegal: | | | | |
| Dakar..... | Jan. 1-Mar. 31..... | 4 | 1 | |
| Siam: | | | | |
| Bangkok..... | Oct. 23-Dec. 31..... | 7 | 6 | |
| Do..... | Jan. 8-Mar. 11..... | 37 | 28 | |
| Straits Settlements: | | | | |
| Singapore..... | Nov. 6-Dec. 31..... | 3 | 3 | |
| Do..... | Jan. 15-Mar. 18..... | 37 | 18 | |
| Syria: | | | | |
| Beirut..... | Oct. 9-Nov. 20..... | 10 | 4 | |
| Do..... | Mar. 27-Apr. 2..... | 1 | ..... |  |
| Turkey: | | | | |
| Constantinople..... | Jan. 1-7..... | 1 | ..... | Mar. 26-Apr. 1, 1922: One death. |
| Union of South Africa: | | | | |
| Orange Free State— | | | | |
| Boschrand Farm..... | Jan. 15..... | 3 | 3 | 10 miles from Kroonstad. |
| Bothaville..... | Nov. 19..... | ..... | ..... | Plague-infected mouse found. |
| Gelukfontein Farm..... | Feb. 25..... | ..... | ..... | Plague mortality among rodents. |
| Granville Farm..... | Mar. 1-15..... | 4 | 4 | Winburg district, vicinity of Ventersburg Road Station. |
| Hoopstad..... | Dec. 4-10..... | 1 | ..... | In native herd boy. |
| Klipfontein Farm..... | Feb. 10..... | 1 | 1 | 12 miles from Bothaville. Plague infection found in rats on adjoining farm, week ended Feb. 4, 1922. |
| Rientfontein Farm..... | Feb. 17..... | ..... | ..... | Plague-infected squirrel found. |
| On vessels: | | | | |
| S. S. City of Genoa..... | Mar. 9-15..... | 4 | 2 | At Suez and Port Said, Egypt, from Karachi and Bombay, India, for Plymouth, England. One fatal case at sea en route to Suez; 1 case on arrival. At Port Said, 2 cases, of which 1 fatal. At Dunkirk, France, Mar. 24, 1922: Several cases on arrival; 1 fatal case in hospital at Dunkirk. |

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 31, 1921, to June 2, 1922—Continued.

PLAGUE—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|-------------------------|--------------|--------|---------|---|
| On vessels—Continued. | | | | |
| S. S. Polycarp..... | Feb. 3..... | 1 | ..... | At Para, Brazil, from Ceara, via Manaus, Maranham, and Para for New York. |
| S. S. Tango Maru..... | Dec. 31..... | 1 | ..... | At Thursday Island Quarantine, Australia, from Kobe, via Nagasaki, Hongkong, Manila, and Zamboanga. |
| S. S. Warwickshire..... | Feb. 12..... | ..... | ..... | At Liverpool, England, from Rangoon. Plague rats, 27; 1 plague mouse. |

SMALLPOX.

| | | | | |
|-----------------------------------|---------------------|-------|-------|---|
| Algeria: | | | | |
| Algiers..... | Jan. 1-Mar. 31.... | 4 | ..... |  |
| Arabia: | | | | |
| Aden..... | Dec. 25-31..... | ..... | 1 | |
| Do..... | Jan. 8-Apr. 1..... | ..... | 2 | |
| Asia Minor: | | | | |
| Kovlitza..... | Apr. 23-29..... | 27 | ..... | Interior. |
| Panderma..... | do..... | 2 | ..... | Do. |
| Smyrna..... | Jan. 15-Apr. 15.... | 9 | ..... | In district. |
| Bolivia: | | | | |
| La Paz..... | Aug. 1-Dec. 31.... | 60 | 41 | |
| Do..... | Jan. 1-Feb. 28.... | 32 | 21 | |
| Brazil: | | | | |
| Bahia..... | Nov. 6-Dec. 17.... | 4 | ..... |  |
| Do..... | Jan. 8-Feb. 4..... | 2 | ..... |  |
| Pernambuco..... | Apr. 2-8..... | 1 | ..... |  |
| Rio de Janeiro..... | Nov. 13-Dec. 31.... | 13 | 2 | |
| Do..... | Jan. 1-Apr. 22.... | 59 | 20 | |
| Santos..... | Feb. 20-26..... | ..... | 1 | |
| Sao Paulo..... | Oct. 31-Dec. 25.... | 11 | ..... |  |
| Do..... | Dec. 29-Jan. 8..... | 2 | ..... |  |
| British East Africa: | | | | |
| Kenya Colony— | | | | |
| Nairobi..... | Mar. 26-Apr. 1..... | 1 | ..... |  |
| Uganda..... | Aug. 1-Dec. 31.... | 33 | 6 | |
| Do..... | Jan. 1-31..... | 36 | 3 | |
| Canada: | | | | |
| British Columbia— | | | | |
| Vancouver..... | Dec. 25-31..... | 3 | ..... |  |
| Do..... | Jan. 29-Feb. 4..... | 1 | ..... |  |
| Victoria..... | Mar. 12-18..... | 1 | ..... |  |
| Manitoba..... | | | | Year 1921: Cases, 71. |
| Winnipeg..... | Nov. 20-Dec. 3..... | 2 | ..... |  |
| Do..... | Apr. 2-8..... | 3 | ..... |  |
| New Brunswick— | | | | |
| Charlotte County..... | | | | Dec. 17, 1921: 31 cases occurring at Andersonville and Blacks Harbor. Dec. 18-24, 1921: Cases, 3. Dec. 25-31, 1921: Cases, 2. Feb. 19-20, 1922: Cases, 2. |
| St. Stephen..... | Dec. 11-17..... | 2 | ..... |  |
| Madawaska County..... | Apr. 30-May 6..... | 1 | ..... |  |
| Restigouche County..... | | | | Dec. 11-31, 1921: Cases, 3. Feb. 12-25, 1922: Cases, 4. 20 miles from Campbellton. |
| Charlo..... | Feb. 19-25..... | 2 | ..... |  |
| Westmoreland County..... | Mar. 5-Apr. 1..... | 22 | ..... |  |
| York County..... | Dec. 11-17..... | 1 | ..... |  |
| Do..... | Jan. 29-Feb. 4..... | 1 | ..... |  |
| Ontario..... | | | | Dec. 1-31, 1921: Cases, 128. Jan. 1-31, 1922: Cases, 170. Feb. 1-Apr. 30, 1922: Cases, 377. |
| Fort William and Port Arthur..... | Jan. 1-21..... | 3 | ..... |  |
| Hamilton..... | Jan. 22-Mar. 25.... | 4 | ..... |  |
| Kingston..... | Jan. 17-Feb. 11.... | 5 | ..... | Jan. 16-20, 1922: Two cases reported. |
| Niagara Falls..... | Dec. 11-24..... | 2 | ..... |  |
| Do..... | Jan. 15-May 20.... | 50 | ..... | Feb. 19-25, 1922: Cases, 6. |
| North Bay..... | Feb. 12-18..... | 1 | ..... |  |
| Ottawa..... | Dec. 11-24..... | 17 | ..... |  |
| Do..... | Jan. 1-May 13..... | 40 | ..... |  |
| Sault Ste. Marie..... | Jan. 15-21..... | 1 | ..... |  |
| Toronto..... | Dec. 11-24..... | 4 | ..... |  |
| Do..... | Jan. 1-May 13..... | 109 | ..... |  |
| Windsor..... | Jan. 8-Mar. 4..... | 3 | ..... |  |

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 31, 1921, to June 2, 1922—Continued.

SMALLPOX—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|-------------------|----------------------|--------|---------|--|
| Canada—Continued. | | | | |
| Quebec— | | | | |
| Montreal..... | Dec. 11-24..... | 1 | ..... |  |
| Saskatchewan— | | | | |
| Regina..... | Jan. 1-Feb. 11..... | 4 | ..... |  |
| Saskatoon..... | Dec. 1-18..... | 6 | ..... |  |
| Do..... | Feb. 5-18..... | 3 | ..... |  |
| Canal Zone: | | | | |
| Ancon..... | ..... | ..... | ..... | Admitted to hospital by transfer from Panama, Nov. 30, 1921, 1 case. Arrived on sailing vessel from a village on south coast. |
| Ceylon: | | | | |
| Colombo..... | Nov. 27-Dec. 3..... | 1 | ..... | Port case. |
| Do..... | Jan. 29-Apr. 1..... | 7 | ..... | One port case. |
| Chile..... | ..... | ..... | ..... | Jan.-Sept., 1921: Cases, 5,500 (approximately); deaths, 2,500 (approximately). Nov. 15-21, 1921: Diffused in southern Provinces; not epidemic. |
| Concepcion..... | Nov. 23-Dec. 26..... | ..... | 25 | Nov. 15-21, 1921: Present. In vicinity, at Hualqui, cases, 32; deaths, 5. Dec. 4-17, 1921. Present. |
| Do..... | Dec. 27-Mar. 13..... | ..... | 42 | |
| Coronel..... | Nov. 15-Dec. 17..... | ..... | ..... | Present. |
| Curanilahue..... | Nov. 15-21..... | 4 | ..... |  |
| Lota..... | ..... | ..... | ..... | Oct. 28, 1921-Jan. 31, 1922: Cases, 879; deaths, 338. |
| Ollague..... | Mar. 12-25..... | 1 | ..... | Reported Mar. 16. |
| Osorno..... | ..... | ..... | ..... | From beginning of outbreak to Feb. 15, 1922: Cases, 87. |
| Talcahuano..... | Nov. 15-Dec. 24..... | 6 | ..... | Jan. 8-28, 1922. Present. |
| Do..... | Jan. 29-Feb. 18..... | 5 | ..... |  |
| Temuco..... | Nov. 15-21..... | 9 | ..... | From beginning of outbreak to Feb. 15, 1922: Cases, 122. |
| Valparaiso..... | Oct. 23-Dec. 31..... | ..... | 94 | |
| Do..... | Jan. 1-Mar. 25..... | ..... | 39 | |
| China: | | | | |
| Amoy..... | Nov. 16-Dec. 31..... | ..... | 7 | Nov. 23-30, 1921: Present. Jan. 22-28, 1922: Present. |
| Do..... | Jan. 1-Apr. 15..... | ..... | 21 | |
| Antung..... | Nov. 28-Dec. 18..... | 4 | 1 | |
| Do..... | Mar. 19-26..... | 1 | ..... |  |
| Canton..... | Dec. 1-31..... | ..... | ..... | Present. |
| Do..... | Feb. 1-Mar. 31..... | ..... | ..... | Do. |
| Changsha..... | Jan. 16-22..... | 1 | ..... | Do. |
| Chungking..... | Nov. 6-Dec. 31..... | ..... | ..... | Do. |
| Do..... | Jan. 1-Mar. 25..... | ..... | ..... | Manchuria. |
| Dairen..... | Mar. 13-Apr. 9..... | 3 | ..... | Present. |
| Foochow..... | Nov. 6-Dec. 31..... | ..... | ..... | Do. |
| Do..... | Jan. 1-Apr. 1..... | ..... | ..... | Do. |
| Hankow..... | Nov. 13-Dec. 31..... | ..... | ..... | Manchuria. |
| Do..... | Jan. 1-21..... | 2 | ..... |  |
| Harbin..... | Nov. 14-Dec. 11..... | 5 | ..... |  |
| Do..... | Dec. 26-Apr. 2..... | 5 | ..... |  |
| Hongkong..... | Dec. 3-31..... | 5 | ..... |  |
| Do..... | Jan. 1-Apr. 8..... | 75 | 57 | |
| Mukden..... | Nov. 20-Dec. 31..... | ..... | ..... | Manchuria. Present. |
| Do..... | Jan. 15-Apr. 15..... | ..... | ..... | Do. |
| Nanking..... | Nov. 20-Dec. 17..... | ..... | ..... | Present. |
| Do..... | Jan. 15-Apr. 8..... | ..... | ..... | Do. |
| Shanghai..... | Oct. 31-Dec. 31..... | 23 | 194 | Cases, foreign; deaths, Chinese and foreign. Population: Native, 790,000; foreign, 24,000. Corrected report. |
| Do..... | Jan 2-Apr. 16..... | 35 | 508 | Cases, foreign; deaths, native, Jan. 14, 1922: Seriously prevalent. |
| Tientsin..... | Dec. 11-17..... | 2 | ..... | In Mission Hospital. |
| Tsing'au..... | Jan. 1-Mar. 10..... | 35 | 14 | |
| Chosen (Korea): | | | | |
| Fusan..... | Dec. 1-31..... | 3 | 1 | |
| Do..... | Jan. 1-Apr. 30..... | 214 | 59 | |
| Gensan..... | Feb. 1-28..... | 1 | ..... |  |
| Seoul..... | Jan. 1-Mar. 31..... | 12 | 5 | |
| Colombia: | | | | |
| Cartagena..... | Nov. 22-28..... | ..... | 1 | |
| Santa Marta..... | Feb. 19-25..... | ..... | ..... | Present. |

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 31, 1921, to June 2, 1922—Continued.

SMALLPOX—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|---------------------------|----------------------|--------|---------|---|
| Cuba..... | | | | Dec. 4-31, 1921: Cases, 331. Jan. 1-31, 1922: Cases, 257. |
| Antilla..... | Dec. 12-31..... | 3 | | At Preston. |
| Do..... | Jan. 8-Feb. 4..... | 13 | 1 | |
| Cienfuegos..... | Jan. 22-May 13..... | 15 | 1 | Two cases from outside city limits. Apr. 16-22, 1922: Cases 6, found at Senado, about 25 miles distant. |
| Matanzas..... | | | | In Province, Apr. 16-30, 1922. |
| Nuevitas..... | Apr. 10-16..... | 3 | | |
| Santiago..... | Jan. 1-Apr. 30..... | 11 | 1 | |
| Dominican Republic..... | | | | Oct. 1-31, 1921: Cases, 653; deaths, 54. Jan. 2-Feb. 4, 1922: Cases, 6,922; deaths, 185. |
| Puerto Plata..... | Jan. 13..... | 100 | 5 | In district, widely diffused, with 1,000 estimated cases, with 100 deaths. |
| San Pedro de Macoris..... | Nov. 20-Dec. 31..... | 31 | 1 | Estimate of about 500 cases of smallpox in the district of Macoris; of these, 50 within the city limits. |
| Do..... | Jan. 14-Apr. 22..... | 199 | 9 | Including vicinity. In surrounding country, Feb. 12-25: 66 cases. Feb. 26-Apr. 1: About 60 cases; Apr. 30, 75 cases. |
| Santo Domingo..... | Nov. 15-Dec. 5..... | | | In district, 401 cases estimated. Dec. 17-24, 1921: Present in vicinity, Jan. 9-16, 1922: In surrounding country, 1,745 cases (estimated). Mar. 19-Apr. 1, 1922: About 20 cases, with 1 death, in surrounding country. Apr. 2-15, 1922: Cases, 25; deaths, 8. Apr. 23-29: Cases, 29; deaths, 4. Apr. 30-May 6, 1922: Present, with 4 reported deaths. |
| Ecuador: | | | | |
| Guayaquil..... | Nov. 16-Dec. 3..... | 7 | | And vicinity. |
| Do..... | Jan. 1-Apr. 15..... | 5 | | |
| Egypt: | | | | |
| Alexandria..... | Nov. 26-Dec. 2..... | 1 | 1 | |
| Cairo..... | do..... | 2 | | |
| Port Said..... | Dec. 20-26..... | 1 | | Dec. 16-23, 1921: 1 case. |
| Do..... | Jan. 22-Apr. 29..... | 2 | | |
| Finland..... | | | | Nov. 16-30, 1921: 1 case. |
| Do..... | | | | Feb. 4-15, 1922: Cases, 19. Mar. 1-Apr. 15, 1922: Cases, 33. |
| Flume..... | | | | Dec. 27, 1921-Jan. 2, 1922: Cases, 2. |
| France: | | | | |
| Bordeaux..... | Mar. 31-Apr. 6..... | | 1 | |
| Great Britain: | | | | |
| Manchester..... | Jan. 1-7..... | 4 | | |
| Nottingham..... | Dec. 4-31..... | 18 | | |
| Do..... | Jan. 8-Mar. 25..... | 10 | | |
| Sheffield..... | Apr. 23-29..... | 3 | | |
| Swansea..... | Jan. 17-23..... | 2 | | Imported on vessel from Persian Gulf. |
| Greece: | | | | |
| Saloniki..... | Mar. 19-Apr. 9..... | 14 | 9 | |
| Haiti..... | | | | Jan. 22-May 6, 1922: Present. |
| Cape Haitien..... | Dec. 11-24..... | 8 | | |
| Do..... | Jan. 1-Feb. 18..... | 21 | 1 | |
| Port au Prince..... | Dec. 11-31..... | | | Present. |
| Do..... | Jan. 15-21..... | 2 | | |
| India..... | | | | Oct. 2-8, 1921: Deaths, 23. Oct. 23-Nov. 19, 1921: Deaths, 266. |
| Bombay..... | Oct. 23-Dec. 31..... | 3 | 2 | Nov. 27-Dec. 31, 1921: Deaths, 533. Jan. 1-23, 1922: Deaths, 700. |
| Do..... | Jan. 1-Mar. 18..... | 27 | 6 | |
| Calcutta..... | Nov. 13-Dec. 31..... | 37 | 28 | |
| Do..... | Jan. 1-Apr. 8..... | 378 | 261 | |
| Karachi..... | Nov. 11-Dec. 31..... | 28 | 9 | |
| Do..... | Jan. 1-Apr. 15..... | 266 | 144 | |
| Madras..... | Nov. 13-Dec. 31..... | 183 | 59 | |
| Do..... | Jan. 1-Apr. 15..... | 1,377 | 492 | |
| Rangoon..... | Oct. 1-Dec. 31..... | 6 | | |
| Do..... | Jan. 15-Apr. 1..... | 87 | 2 | |

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 31, 1921, to June 2, 1922—Continued.

SMALLPOX—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|--------------------------|----------------------|--------|---------|--|
| Indo-China: | | | | |
| Saigon..... | Dec. 18-24..... | 1 | 1 | City and district. |
| Do..... | Jan. 8-Mar. 18..... | 17 | 8 | |
| Italy: | | | | |
| Catania..... | Feb. 20-26..... | 1 | ..... | In Province. |
| Genoa..... | Nov. 10-20..... | 1 | ..... |  |
| Messina— | | | | |
| Messina..... | Nov. 23-Dec. 4..... | 1 | ..... |  |
| Pettino..... | Nov. 14-Dec. 4..... | 2 | ..... |  |
| Venice..... | Jan. 30-Feb. 5..... | 2 | ..... |  |
| Japan: | | | | |
| Kobe..... | Jan. 23-Apr. 30..... | 2 | 2 | |
| Nagasaki..... | Mar. 13-19..... | 1 | ..... |  |
| Taiwan Island..... | Dec. 1-31..... | 2 | 1 | |
| Do..... | Feb. 14-Mar. 10..... | 2 | 1 | |
| Yokohama..... | Jan. 9-Apr. 23..... | 4 | ..... | Corrected report. |
| Java: | | | | |
| East Java— | | | | |
| Serabaya..... | Jan. 1-7..... | 4 | ..... |  |
| West Java— | | | | |
| Bandoeng..... | Nov. 18-Dec. 8..... | 2 | ..... |  |
| Batavia..... | Nov. 18-Dec. 22..... | 11 | 9 | City and Province. |
| Do..... | Dec. 30-Mar. 2..... | 5 | 3 | |
| Buitenzorg..... | Nov. 25-Dec. 8..... | 7 | 1 | In Province: Cases, 23; deaths, 4; 13 cases, with 3 deaths, not locally stated. Feb. 3-Mar. 30, 1922: Cases, 21; deaths, 5. |
| Krawang..... | Nov. 18-24..... | 1 | ..... |  |
| Lebak..... | Nov. 18-Dec. 8..... | 7 | 4 | |
| Pandeglang..... | Nov. 25-Dec. 1..... | 1 | ..... |  |
| Tangerang..... | Nov. 18-Dec. 8..... | 5 | 1 | |
| Liberia: | | | | |
| Grand Bassa County..... | Nov. 30..... | ..... | ..... | Present at Lower Buchanan. |
| Mesopotamia: | | | | |
| Bagdad..... | Oct. 1-Nov. 30..... | 117 | 50 | Epidemic, with high mortality, November, 1921. |
| Do..... | Feb. 1-23..... | 6 | 4 | |
| Mexico: | | | | |
| Chihuahua..... | Dec. 5-11..... | ..... | 1 | |
| Do..... | Jan. 23-Feb. 19..... | ..... | 2 | |
| Guadalajara..... | Nov. 1-Dec. 31..... | 6 | ..... |  |
| Do..... | Jan. 1-Mar. 4..... | 35 | 6 | |
| Manzanillo..... | Apr. 25-May 1..... | ..... | 1 | |
| Mexico City..... | Nov. 20-Dec. 31..... | 64 | ..... | Including municipalities in Federal District. |
| Do..... | Jan. 1-Apr. 8..... | 232 | ..... |  |
| Monterey..... | Apr. 12..... | ..... | 2 | Epidemic. Apr. 28; estimated about 16 deaths daily. Apr. 25-May 1, 1922; 9 deaths, in children. |
| Saltillo..... | Jan. 29-May 6..... | ..... | 9 | |
| San Luis Potosi..... | Dec. 18-24..... | ..... | 2 | From San Salvador, Zacatecas, 1; from Tampico, 1. |
| Do..... | Jan. 8-Apr. 1..... | ..... | 18 | |
| Torreon..... | Dec. 1-31..... | ..... | 134 | |
| Do..... | Jan. 1-Feb. 28..... | ..... | 82 | |
| Newfoundland: | | | | |
| St. John..... | Feb. 4-10..... | 1 | ..... |  |
| Nicaragua: | | | | |
| Managua..... | Mar. 5..... | ..... | ..... | Present. |
| Palestine: | | | | |
| Jerusalem..... | Jan. 10-Feb. 20..... | 27 | ..... |  |
| Panama: | | | | |
| Bocas del Toro Province— | | | | |
| Sursuba..... | Jan. 18-Feb. 8..... | 11 | ..... | Village 24 miles from Almirante. Present. |
| Chiriqui Province..... | Dec. 22..... | ..... | ..... |  |
| Do..... | Jan. 26..... | ..... | ..... | Present with center of prevalence at Boquete Bajo. At Boquete Bajo, Jan. 22-Mar. 23, 1922, 59 admissions to lazaretto. On Mar. 20, 1922, 16 cases of smallpox, confluent type. |
| Panama..... | Dec. 14..... | 1 | ..... |  |
| Panama..... | Dec. 14..... | 1 | ..... | On Dec. 21, 1921, 1 additional case from country district of Sabanas admitted to hospital. Total admissions, Jan. 1-Dec. 21, 1921, 207. |
| Persia: | | | | |
| Tcheran..... | | | | May 22-Nov. 22, 1921: Deaths, 23, |

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 31, 1921, to June 2, 1922—Continued.

SMALLPOX—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|-------------------------|----------------------|--------|---------|--|
| Peru: | | | | |
| Lima..... | Nov. 1-Dec. 31..... | | 3 | |
| Poland..... | | | | Aug. 14-Dec. 31, 1921: Cases, 578; deaths, 146. Jan. 1-28, 1922: Cases, 219; deaths, 55. Exclusive of Brest-Litovsk, Minsk, and Wilno districts. |
| Silesia..... | May 2..... | | | Epidemic. |
| Portugal: | | | | |
| Lisbon..... | Nov. 13-Dec. 31..... | 48 | 12 | |
| Do..... | Jan. 1-Apr. 30..... | 187 | 9 | 1 death in January, 1 in February, 7 deaths in March. |
| Portuguese East Africa: | | | | |
| Lourenco Marques..... | Oct. 1-Nov. 5..... | 2 | 4 | |
| Portuguese West Africa: | | | | |
| Angola— | | | | |
| Loanda..... | Oct. 9-Dec. 31..... | | 7 | |
| Do..... | Jan. 1-Mar. 25..... | | 6 | |
| Rumania: | | | | |
| Bucharest..... | Nov. 1-30..... | | 33 | |
| Cahul..... | Jan. 1-31..... | 1 | | District. |
| Chisinau..... | Dec. 1-31..... | 23 | | Do. |
| Do..... | Feb. 1-28..... | 17 | | Do. |
| Russia: | | | | |
| Estonia..... | Oct. 1-Dec. 31..... | 38 | | |
| Do..... | Feb. 1-Mar. 31..... | 7 | | |
| Lettonia..... | do..... | 75 | | Name of country official, |
| Do..... | Jan. 1-Feb. 28..... | 38 | | changed from Latvia to Lettonia. |
| Senegal: | | | | |
| Dakar..... | do..... | 5 | 3 | |
| Serbia: | | | | |
| Belgrade..... | Oct. 2-Nov. 26..... | 16 | 4 | |
| Siam: | | | | |
| Bangkok..... | Oct. 23-Nov. 5..... | 1 | | |
| Siberia: | | | | |
| Vladivostok..... | Feb. 22-28..... | 1 | 1 | |
| Spain: | | | | |
| Barcelona..... | Jan. 8-14..... | | 1 | |
| Corunna..... | Apr. 2-May 6..... | | 2 | |
| Huelva..... | Oct. 1-Dec. 31..... | | 3 | |
| Do..... | Jan. 1-Feb. 28..... | 1 | 2 | |
| Malaga..... | Nov. 1-Dec. 31..... | | 60 | |
| Do..... | Jan. 1-31..... | | 8 | |
| Seville..... | Nov. 16-Dec. 31..... | | 7 | |
| Do..... | Jan. 8-Apr. 20..... | | 82 | |
| Valencia..... | Jan. 27-Mar. 25..... | 5 | 1 | Mar. 9-15, 1922: One case. |
| Straits Settlements: | | | | |
| Singapore..... | Nov. 6-Dec. 24..... | 49 | 13 | |
| Do..... | Jan. 1-Apr. 1..... | 202 | 42 | |
| Switzerland: | | | | |
| Glarus, Canton..... | Dec. 10..... | | | Epidemic. |
| Lucerne..... | Feb. 1-28..... | 12 | | |
| St. Gall..... | Feb. 12-18..... | 1 | | |
| Zurich..... | Dec. 10..... | 2 | | In vicinity. |
| Do..... | Mar. 12-Apr. 8..... | 6 | | |
| Syria: | | | | |
| Adana..... | Dec. 18-24..... | | | Present. |
| Do..... | Jan. 1-14..... | | | Do. |
| Aleppo..... | Dec. 18-24..... | | | Do. |
| Do..... | Jan. 1-Apr. 15..... | | | Do. |
| Alexandretta..... | do..... | | | Do. |
| Beirut..... | Oct. 9-Nov. 13..... | 5 | 2 | |
| Do..... | Jan. 8-Mar. 27..... | 24 | 11 | Dec. 20, 1921-Jan. 4, 1922: Cases, 14; deaths, 2. |
| Cilicia..... | Jan. 8-Feb. 4..... | | | Present. |
| Diarbekir..... | Dec. 18-24..... | | | Do. |
| Do..... | Jan. 1-Feb. 4..... | | | Do. |
| Mersina..... | Dec. 18-24..... | | | Do. |
| Do..... | Jan. 1-7..... | | | Do. |
| Urfa..... | Dec. 18-24..... | | | Do. |
| Do..... | Jan. 1-Feb. 4..... | | | Do. |
| Tunis: | | | | |
| Tunis..... | Nov. 26-Dec. 23..... | 17 | 15 | |
| Do..... | Jan. 1-Apr. 8..... | 4 | 6 | |
| Turkey: | | | | |
| Constantinople..... | Nov. 27-Dec. 24..... | 20 | 4 | |
| Do..... | Jan. 15-Apr. 29..... | 139 | 27 | |

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 31, 1921, to June 2, 1922—Continued.

SMALLPOX—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|----------------------------|----------------------|--------|---------|---|
| Union of South Africa..... | ..... | ..... | ..... | Nov. 1-Dec. 31, 1921: Cases, 342; deaths, 6 (colored). White, 10 cases. Jan. 1-Feb. 23, 1922: Cases, 37; deaths, 3. |
| Cape Province..... | Nov. 5-Dec. 31..... | ..... | ..... | Outbreaks. Nov. 1-Dec. 31, 1921: Cases, 42; deaths, 1 (colored). |
| Do..... | Jan. 8-Apr. 1..... | ..... | ..... | Outbreaks. |
| Natal..... | do..... | ..... | ..... | Outbreaks. Nov. 1-Dec. 31, 1921: Cases, 209; deaths, 5 (colored). |
| Durban..... | Apr. 2-8..... | 1 | ..... | Outbreaks. Nov. 1-Dec. 31, 1921: Cases, 8 (colored). |
| Orange Free State..... | Oct. 23-Dec. 24..... | ..... | ..... | Outbreaks. |
| Do..... | Feb. 5-25..... | ..... | ..... | Natives. |
| Southern Rhodesia..... | Dec. 29-Apr. 5..... | 323 | ..... | Outbreaks. |
| Transvaal..... | Oct. 23-Dec. 31..... | ..... | ..... | Outbreaks. Dec., 1921: Cases, 15. |
| Do..... | Jan. 1-Mar. 25..... | ..... | ..... | Nov. 1-Dec. 31, 1921: Cases, 22 (colored). Among white population, 8 cases, State not designated. |
| Johannesburg District..... | Dec. 1-31..... | 2 | ..... | Outbreaks. |
| Do..... | Jan. 1-Feb. 28..... | ..... | ..... | ..... |
| Venezuela: | ..... | ..... | ..... | ..... |
| Ciudad Bolivar..... | Mar. 22..... | 3 | ..... | ..... |
| Yugoslavia..... | ..... | ..... | ..... | July 3-30, 1921: Cases, 37. |
| Bosnia Herzegovina..... | July 3-9..... | 2 | ..... | ..... |
| Croatia Slavonia..... | do..... | 1 | ..... | ..... |
| Dalmatia..... | do..... | 1 | ..... | ..... |
| Serbia..... | do..... | 3 | ..... | ..... |
| Belgrade..... | Dec. 11-17..... | 4 | ..... | ..... |
| Do..... | Jan. 1-Feb. 18..... | 6 | ..... | ..... |
| Slovenia..... | July 3-9..... | 1 | ..... | ..... |
| Voivodina..... | do..... | 3 | ..... | ..... |
| On vessels: | ..... | ..... | ..... | ..... |
| S. S. Empire State..... | Apr. 7..... | 1 | ..... | At Honolulu, Hawaii, Mar. 31. In Chinese woman, embarked at Hongkong, Mar. 15, unvaccinated; arrived Shanghai Mar. 19, states did not go ashore; at Kobe Mar. 22; left Yokohama Mar. 24. Case was passed on inspection; developed Apr. 5, 1922. |
| S. S. Victoria..... | Jan. 16..... | 1 | 1 | At Thursday Island Quarantine, Australia. Vessel left Hongkong Jan. 3; case isolated Jan. 10. Vessel left for Townsville, Sydney, and Melbourne. Released at Melbourne Feb. 4, 1922. |
| S. S. West O'Rowa..... | Jan. 5-8..... | 3 | 1 | At Kobe, Japan, from Shanghai, China. |
| S. S. —..... | Jan. 17-23..... | 2 | ..... | At Swansea, Wales, from Persian Gulf. |

TYPHUS FEVER.

| | | | |
|----------------|----------------------|-------|-------|
| Algeria: | ..... | ..... | ..... |
| Algiers..... | Nov. 1-Dec. 31..... | 3 | ..... |
| Do..... | Jan. 11-Apr. 30..... | 15 | 1 |
| Oran..... | Dec. 21-31..... | 1 | ..... |
| Do..... | Jan. 1-Apr. 20..... | 24 | 14 |
| Argentina: | ..... | ..... | ..... |
| Rosario..... | Mar. 1-31..... | ..... | 1 |
| Asia Minor: | ..... | ..... | ..... |
| Brousa..... | Jan. 15-21..... | 1 | ..... |
| Smyrna..... | Apr. 15-21..... | 1 | ..... |
| Austria: | ..... | ..... | ..... |
| Vienna..... | Dec. 4-31..... | 10 | ..... |
| Do..... | Jan. 1-23..... | 9 | 1 |
| Bolivia: | ..... | ..... | ..... |
| La Paz..... | Aug. 1-Dec. 31..... | 121 | 98 |
| Do..... | Jan. 1-31..... | 15 | 12 |
| Brazil: | ..... | ..... | ..... |
| Sao Paulo..... | Feb. 6-12..... | 12 | 2 |

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 31, 1921, to June 2, 1922—Continued.

TYPHUS FEVER—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|-------------------------|---------------------|--------|---------|--|
| Bulgaria: | | | | |
| Sofia..... | Dec. 18-24..... | 1 | ..... |  |
| Do..... | Feb. 12-Apr. 8.... | 3 | ..... |  |
| Chile: | | | | |
| Concepcion..... | Nov. 22-Dec. 26.... | ..... | 3 | |
| Do..... | Jan. 3-30..... | ..... | 3 | |
| Talcahuano..... | Jan. 29-Feb. 18.... | 3 | ..... |  |
| Valparaiso..... | Oct. 23-Nov. 26.... | ..... | 6 | |
| Do..... | Jan. 1-7..... | ..... | 1 | |
| China: | | | | |
| Antung..... | Dec. 26-Jan. 1.... | 1 | ..... |  |
| Do..... | Feb. 6-Apr. 9..... | 9 | ..... |  |
| Harbin..... | Nov. 7-Dec. 25.... | 12 | ..... |  |
| Do..... | Dec. 26-Apr. 2.... | 42 | ..... | Jan. 23, 1922: Reported extending from Soviet Russia along railway line to maritime provinces. |
| Czechoslovakia: | | | | |
| Prague..... | Jan. 22-Apr. 15.... | 4 | ..... |  |
| Danzig (free city)..... | Feb. 23..... | 1 | ..... | In district, at Zoppot. In merchant from Warsaw. |
| Egypt: | | | | |
| Alexandria..... | Nov. 19-Dec. 31.... | 3 | 1 | |
| Do..... | Jan. 15-Apr. 22.... | 23 | 6 | |
| Cairo..... | Oct. 1-Dec. 31.... | 16 | 14 | Corrected report. |
| Do..... | Jan. 1-Feb. 18.... | 13 | 7 | |
| Port Said..... | Jan. 22-Apr. 8.... | 3 | ..... |  |
| Finland: | | | | |
| Helsingfors..... | Jan. 1-31..... | 1 | ..... | In courier from Moscow. |
| Germany: | | | | |
| Breslau..... | Dec. 25-31..... | 2 | 1 | |
| Do..... | Jan. 1-Feb. 5..... | 55 | 8 | Including district. |
| Frankfort-on-Oder..... | Feb. 16..... | 26 | ..... | In persons returning from Russia. |
| Hamburg..... | Dec. 11-17..... | 4 | ..... |  |
| Great Britain: | | | | |
| Birkenhead..... | Apr. 6..... | 13 | 3 | Vicinity of Liverpool. |
| Glasgow..... | Dec. 25-31..... | 1 | ..... |  |
| London..... | Apr. 29..... | 1 | ..... | Stated to have probably been contracted in Warsaw. |
| Greece: | | | | |
| Patras..... | Apr. 3-9..... | ..... | ..... | One death, recurrent typhus. |
| Saloniki..... | Jan. 23-Apr. 9.... | 105 | 1 | Apr. 3-9, 1922: Recurrent typhus: 27 cases; Russian refugees. |
| Mesopotamia: | | | | |
| Bagdad..... | Oct. 1-Dec. 31.... | 3 | 9 | |
| Do..... | Feb. 1-28..... | 1 | ..... |  |
| Mexico: | | | | |
| Mexico City..... | Nov. 20-Dec. 31.... | 242 | ..... | Including municipalities in Federal District. |
| Do..... | Jan. 1-Apr. 8..... | 301 | ..... | Do. |
| San Luis Potosi..... | Dec. 18-24..... | ..... | 1 | Dec. 25-31, 1921: Present. |
| Do..... | Jan. 8-Feb. 25.... | ..... | ..... | Present, 1 death. |
| Palestine: | | | | |
| Jerusalem..... | Dec. 27-May 1.... | 18 | ..... |  |
| Poland..... | | | | Aug. 14-Nov. 5, 1921: Cases, 2,399; deaths, 173. Nov. 6-Dec. 3, 1921: Cases, 1,512; deaths, 105. Nov. 20-Dec. 10, 1921: Cases, 1,162; deaths, 89. Dec. 4-31, 1921: Cases, 3,600; deaths, 313. Jan. 1-28, 1922: Cases, 6,452; deaths, 643; recurrent typhus—cases, 6,268; deaths, 330. Jan. 29-Mar. 13, 1922: Cases, 12,119; recurrent typhus, 14,529. All statistics are exclusive of Brest-Litovsk, Minsk, and Wilno districts. |
| District— | | | | Jan. 1-7, 1922: Cases, 61. |
| Bialystok..... | Nov. 20-Dec. 10.... | 110 | 3 | |
| Do..... | Jan. 1-7..... | 253 | ..... |  |
| Galicia— | | | | |
| Lemberg..... | Jan. 3..... | 229 | ..... |  |
| Kielce..... | Nov. 20-Dec. 10.... | 31 | 8 | |
| Do..... | Jan. 1-7..... | 28 | ..... |  |
| Krakow..... | Nov. 20-Dec. 10.... | 45 | 6 | |
| Do..... | Jan. 1-7..... | 53 | ..... |  |
| Lodz..... | Nov. 20-Dec. 10.... | 67 | ..... |  |
| Do..... | Jan. 1-7..... | 41 | ..... |  |
| Lublin..... | Nov. 20-Dec. 10.... | 59 | ..... |  |
| Do..... | Jan. 1-7..... | 147 | ..... |  |
| Lwow..... | Nov. 20-Dec. 10.... | 121 | 16 | |

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 31, 1921, to June 2, 1922—Continued.

TYPHUS FEVER—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|-------------------------------------|----------------------|--------|---------|--|
| Poland—Continued. | | | | |
| District—Continued. | | | | |
| Nowogrod..... | Nov. 20-Dec. 10... | 240 | 15 | |
| Polesia..... | do..... | 83 | 5 | |
| Do..... | Jan. 1-7..... | 450 | | |
| Posen..... | do..... | 1 | | |
| Stanislawow..... | Nov. 20-Dec. 10... | 83 | 8 | |
| Do..... | Jan. 1-7..... | 54 | | |
| Tarnopol..... | Nov. 20-Dec. 10... | 86 | 17 | |
| Do..... | Jan. 1-7..... | 28 | | |
| Volhynia..... | Nov. 20-Dec. 10... | 89 | 4 | |
| Do..... | Jan. 1-7..... | 107 | | |
| Warsaw..... | Nov. 20-Dec. 10... | 81 | 2 | |
| Do..... | Jan. 1-7..... | 32 | | |
| Warsaw City..... | Nov. 20-Dec. 10... | 47 | 5 | |
| Do..... | Jan. 1-7..... | 67 | | Feb. 26-Apr. 22, 1922: Cases, 255. Occurring in permanent and transient residents. |
| Portugal: | | | | |
| Oporto..... | Jan. 8-Apr. 22..... | 38 | 2 | |
| Rumania: | | | | |
| Bucharest..... | Nov. 1-30..... | 3 | | District. |
| Cahul..... | Jan. 1-Feb. 28..... | 7 | | District. Dec. 1-31, 1921: Recurrent typhus; cases, 19. |
| Chisinau..... | Nov. 1-Dec. 31..... | 28 | | |
| Do..... | Feb. 1-28..... | 10 | | |
| Russia..... | | | | Nov. 28-Dec. 10, 1921: In Soviet |
| Esthonia..... | Oct. 1-Dec. 31..... | 53 | | Russia, cases, 7,681. |
| Do..... | Jan. 1-Mar. 31..... | 97 | | Recurrent typhus, 51 cases. |
| Lettonia..... | Oct. 1-Dec. 31..... | 341 | | Corrected report Oct. 1-Nov. 30, 1921: Cases, 127. |
| Do..... | Jan. 1-Feb. 18..... | 456 | | |
| Libau..... | Jan. 15-Feb. 1..... | 4 | | |
| Lithuania..... | Jan. 1-31..... | 814 | 73 | Recurrent typhus: Cases, 357; deaths, 12. Typhus: Feb. 19, 1922, 400 cases, vicinity of Kovno, with mortality of 7 per cent. |
| Perm..... | Nov. 23-Dec. 10... | 1,408 | | Oct. 1-31, 1921: Cases, 839. Nov. 1-31, 1921: Cases, 2,390. |
| Saratov District— Markstadt..... | | | | Sept. 1-Dec. 31, 1921: Cases, 1,987; mortality, about 10 per cent; hospital cases. |
| Serbia: | | | | |
| Belgrade..... | Oct. 2-Nov. 26..... | 3 | 2 | |
| Siberia..... | | | | Jan. 23, 1922: Present in western districts. |
| Chita..... | Dec. 26..... | | | Epidemic. |
| Vladivostok..... | Dec. 25-31..... | 5 | 1 | |
| Spain: | | | | |
| Madrid..... | Dec. 1-31..... | | 1 | |
| Do..... | Jan. 1-Mar. 31..... | | 13 | Corrected report. |
| Syria..... | | | | Apr. 16-22, 1922: Reported present in interior cities. |
| Aleppo..... | Mar. 19..... | | | Present. Apr. 23-29, 1922: Present in interior localities. |
| Diarbekir..... | Mar. 5-Apr. 15..... | | | Present. |
| Mardin..... | do..... | | | Do. |
| Tunis: | | | | |
| Tunis..... | Feb. 5-Mar. 25..... | 4 | 3 | |
| Turkey: | | | | |
| Constantinople..... | Nov. 20-Dec. 31..... | 19 | | |
| Do..... | Jan. 1-Apr. 8..... | 122 | 1 | |
| Union of South Africa..... | | | | Nov. 1-Dec. 31, 1921: Cases, 1,368; deaths, 205 (colored). White, 20 cases; deaths, 4. Jan. 1-30, 1922: Cases, 945; deaths, 131, occurring in native population; 14 cases with 4 deaths occurring in white population. |
| Cape Province..... | | | | Oct. 23-Dec. 24, 1921: Outbreaks. Nov. 1-Dec. 31, 1921: Cases, 1,053; deaths, 158 (colored). Among white population, 19 cases, 3 deaths. |

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 31, 1921, to June 2, 1922—Continued.

TYPHUS FEVER—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|--|---------------------|--------|---------|--|
| Union of South Africa—Contd. Cape Province..... | | | | Jan. 1-Apr. 1, 1922: Outbreaks. Jan. 1-Feb. 28, 1922: Cases, 688; deaths, 9 (colored); cases, 11; deaths, 4 (among white population). |
| East London..... | Oct. 30-Dec. 24.... | 3 | | One death of European at Jense- senville, Dec. 6, 1921. |
| Do..... | Jan. 29-Feb. 11.... | 2 | | Natives. |
| Durban..... | Jan. 15-21..... | 1 | | Imported. |
| Natal..... | Nov. 5-Dec. 17.... | | | Outbreaks. Stated to be preva- lent only in Newcastle district. Nov. 1-Dec. 31, 1921: Cases, 135; deaths, 25 (colored). Jan. 1-Feb. 28, 1922: Cases, 41; deaths, 10 (colored). Among white population 3 cases, 1 death. |
| Orange Free State..... | Nov. 13-Dec. 31.... | | | Outbreaks. Nov. 1-Dec. 31, 1921: Cases, 158; deaths, 21 (colored). |
| Do..... | Jan. 1-Apr. 1..... | | | Outbreaks. Jan. 1-Feb. 28, 1922: Cases, 176; deaths, 25. |
| Transvaal..... | Jan. 8-Apr. 1..... | | | Outbreaks. Nov. 1-Dec. 31, 1921: Cases, 35; deaths 4 (colored). White, 1 case, 1 death. Jan. 1- Feb. 28, 1922: Cases, 40; deaths, 3 (colored). |
| Johannesburg District. | Jan. 12-Feb. 28.... | 35 | 11 | |
| Venezuela: Maracaibo..... | Dec. 20-25..... | | 1 | |
| Yugoslavia..... | | | | July 3-30, 1921: Cases, 13. |
| Bosnia-Herzegovina..... | July 3-9..... | 1 | | |
| Croatia Slavonia— Zagreb..... | Jan. 1-Mar. 25.... | 4 | | |
| Montenegro..... | July 3-9..... | 3 | | |

YELLOW FEVER.

| | | | | |
|---|---------------------|----|---|------------------------------------|
| Brazil: | | | | |
| Pernambuco..... | Feb. 10-Mar. 18.... | 3 | 2 | |
| Mexico..... | | | | Year 1921: Cases, 115; deaths, 53. |
| Colima (State)..... | | | | Year 1921: Cases, 7; deaths, 4. |
| Colima..... | Oct. 27..... | 4 | 3 | |
| Manzanillo..... | Aug. 21..... | 3 | 1 | |
| Jalisco (State)..... | | | | Year 1921: Cases, 13; deaths, 7. |
| Guadalajara..... | Nov. 1-30..... | 1 | 1 | Imported. |
| Puerta Vallarta (Las Penas)..... | Oct. 5-Dec. 17.... | 13 | 5 | |
| Do..... | Jan. 22-31..... | 3 | 1 | |
| Tonila..... | Aug. 31..... | 1 | 1 | |
| Oaxaca (State)— Rincon Antonio..... | Jan. 10..... | 1 | 1 | |
| Quintana Roo (Territory)— Payo Obispo..... | Aug. 8..... | 1 | 1 | |
| Sinaloa (State)..... | | | | Year 1921: Cases, 18; deaths, 9. |
| Culiacan..... | Sept. 17..... | 4 | 1 | |
| Guamuchil..... | Oct. 10..... | 1 | | |
| Mazatlan..... | Aug. 21..... | 1 | 1 | Imported. |
| Palmar de los Leales..... | Sept. 30..... | 12 | 7 | |
| Tamaulipas (State)..... | | | | Year 1921: Cases, 1; deaths, 1. |
| Tampico..... | Jan. 11..... | 1 | 1 | |
| Vera Cruz (State)..... | | | | Year 1921: Cases, 75; deaths, 31. |
| Alamo..... | June 21..... | 4 | 1 | Oil camp. |
| Alvarado..... | July 3..... | 1 | 1 | |
| Barra de Penn..... | July 18..... | 1 | 1 | |
| Cordoba..... | Sept. 22..... | 5 | 3 | |
| Cosamalcoapam..... | July 18..... | 14 | 6 | |
| Nogales..... | Oct. 28..... | 1 | 1 | |
| Orizaba..... | do..... | 1 | | |
| Papantla..... | Jan. 14..... | 6 | 3 | |
| Providencia..... | Oct. 28..... | 3 | | |
| Purga..... | Feb. 7..... | 1 | 1 | |
| Rancho de Santa Rosa..... | Oct. 8..... | 2 | | |

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 31, 1921, to June 2, 1922—Continued.

YELLOW FEVER—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|---------------------------|--------------------|--------|---------|--|
| Mexico—Continued. | | | | |
| Vera Cruz (State)—Contd. | | | | |
| Rancho "El Jaguey"..... | Sept. 14..... | 2 | 2 | |
| San Cristobal..... | Mar. 24..... | 1 | ..... |  |
| San Pablo (Papantla)..... | Sept. 12..... | 1 | ..... |  |
| San Ildefonso..... | Oct. 17..... | 2 | ..... |  |
| Tierra Blanca..... | Sept. 24–Nov. 12.. | 4 | 3 | |
| Tlacotalpan..... | Sept. 14..... | 1 | 1 | |
| Tuxpam..... | Jan. 3..... | 8 | 2 | |
| Vera Cruz..... | Jan. 15..... | 18 | 7 | Two of these cases imported. Dec. 20–26, 1921: Cases, 1; deaths, 1, imported. March, 1922: One case on plantation 105 miles from port of Vera Cruz. |